Surface Water Data

Saskatchewan

Donnees sur les eaux de surface

1983

Environment Canada Environnement Canada

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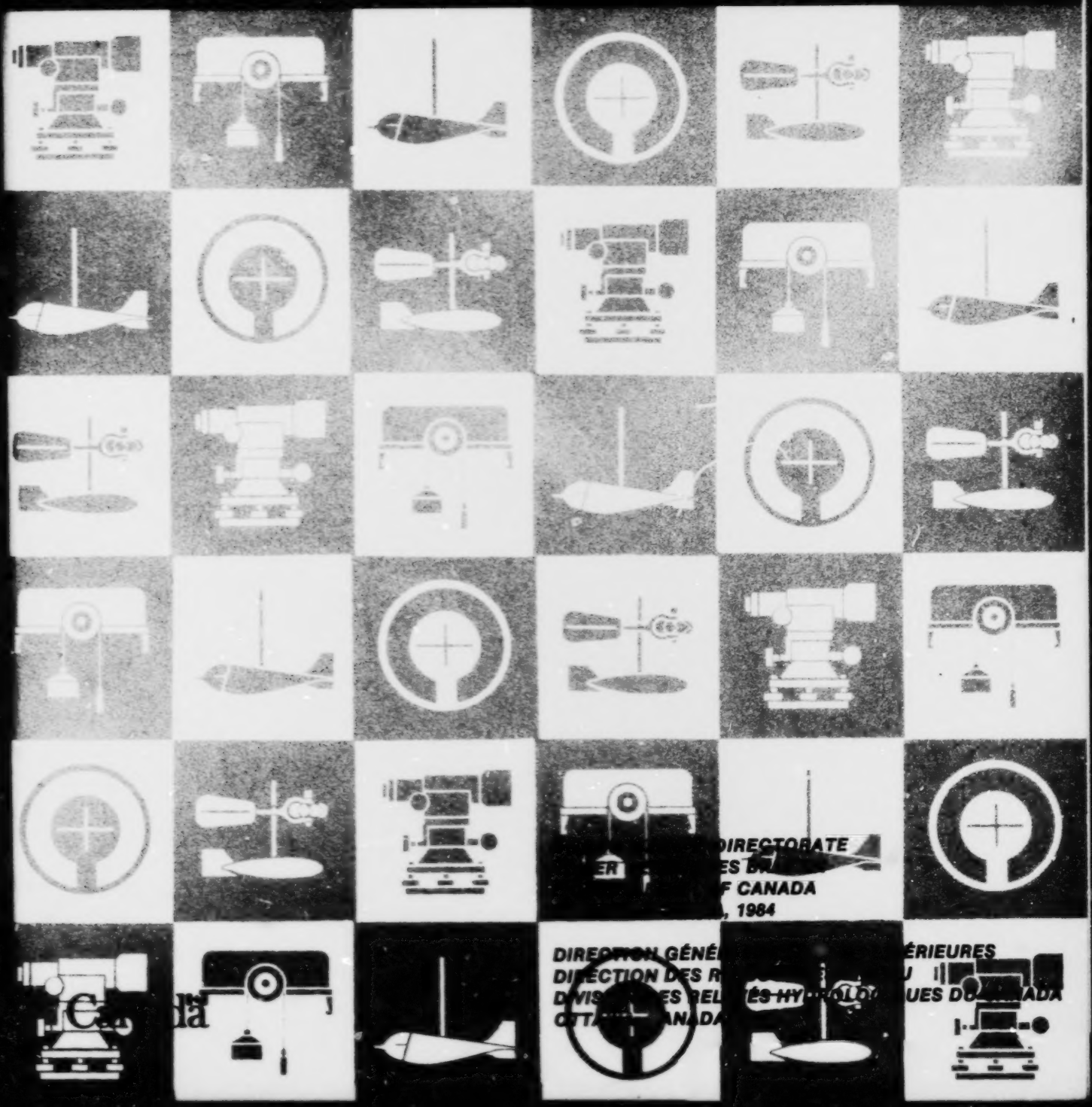

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Metric Commission Canada has granted use of the National Symbol for Metric Conversion. The metric usage in this text has been reviewed by the Metric Screening Office of the Canadian General Standards Board.

La Commission du système métrique Canada a autorisé l'utilisation du symbole national de conversion au système métrique. Le Service du contrôle métrique de l'Office des normes générales du Canada a revisé l'utilisation du système métrique dans cette publication.

Environment Canada | Environnement Canada

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Saskatchewan

Données sur les eaux de surface

1983

INLAND WATERS DIRECTORATE
WATER RESOURCES BRANCH
WATER SURVEY OF CANADA
OTTAWA, CANADA, 1984

DIRECTION GÉNÉRALE DES EAUX INTÉRIEURES
DIRECTION DES RESSOURCES EN EAU
DIVISION DES RELEVÉS HYDROLOGIQUES DU CANADA
OTTAWA, CANADA, 1984

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PREFACE

This publication was prepared by personnel of the Water Survey of Canada Division under the direction of the Director, Water Resources Branch, Department of the Environment, Ottawa.

The basic data were collected and compiled under the supervision of the Regional Chief of the Water Resources Branch at Regina, Saskatchewan.

The co-operation received from provincial agencies and from other organizations is gratefully acknowledged.

PRÉFACE

La Division des relevés hydrologiques du Canada, sous l'autorité du Directeur des ressources en eau du ministère de l'Environnement (Ottawa), a préparé la présente publication.

On a recueilli et compilé les données de base sous la supervision du Chef régional de la Direction des ressources en eau, à Regina (Saskatchewan).

On remercie vivement les organismes provinciaux, ou autres, pour la coopération qu'ils ont apportée.

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INTRODUCTION

The Water Resources Branch of the Department of the Environment herein presents for the 1983 calendar year, the results of the hydrometric survey investigations which were made in Saskatchewan by the Water Survey of Canada.

Details on individual stations and related records, as well as recent data which have not yet been published, may be obtained upon application to:

Regional Chief,
Water Resources Branch,
Department of the Environment,
G.M.C. Building,
1102–8th Avenue,
Regina, Saskatchewan.
S4R 1C9

or to the Director, Water Resources Branch, Department of the Environment, Ottawa, Ontario, K1A 0E7.

INTRODUCTION

La Direction des ressources en eau du ministère de l'Environnement présente, pour l'année civile 1983, les résultats des relevés hydrométriques que la Division des relevés hydrologiques du Canada a effectués en Saskatchewan.

En s'adressant aux endroits ci-après, on peut obtenir des renseignements supplémentaires sur certaines stations particulières et divers relevés, ainsi que des données récentes non encore publiées:

Chef régional
Direction des ressources en eau
Ministère de l'Environnement
Édifice G.M.C.
1102, Huitième avenue
Regina (Saskatchewan)
S4R 1C9

ou au Directeur, Direction des ressources en eau, ministère de l'Environnement, Ottawa (Ontario), K1A 0E7.

ORGANIZATION AND HISTORY OF HYDROMETRIC SURVEY OPERATIONS

During 1983, the hydrometric surveys in Saskatchewan were conducted by the Water Survey of Canada under agreement with the Province of Saskatchewan. The provincial authorities contributed to the cost of the basic field investigations which were carried out in accordance with mutually agreed-upon plans.

ORGANISATION ET HISTORIQUE DES RELEVÉS HYDROMÉTRIQUES

En 1983, la Division des relevés hydrologiques du Canada a effectué des relevés hydrométriques en Saskatchewan en vertu de l'accord conclu avec les autorités provinciales, qui ont contribué au coût des recherches de base réalisées sur le terrain, après entente mutuelle sur leur programme.

Stream measurement work was carried on between 1894 and 1908 in connection with the Canadian Irrigation Surveys. Early in 1909 the Hydrometric Survey was organized as part of the Forestry and Irrigation Branch and was conducted by the Branch until 1911. The Hydrometric Survey was then assigned to the Irrigation Branch (later the Reclamation Service) remaining in that organization until July, 1920, when it was transferred to the Dominion Water Power Branch. Following the transfer of the natural resources of Saskatchewan to provincial control as of October 1, 1930, a co-operative agreement was arranged with the Government of Saskatchewan for the continuance of the hydrometric survey by the federal government. Although this agreement was terminated in 1933 work was continued by the federal government under letter arrangement until 1975. A co-operative agreement, (with an implementation date of April 1, 1975), was signed with the Government of Saskatchewan on February 18, 1975. The agreement provides that water quantity surveys will be continued by the federal government on a shared cost basis.

Entre 1894 et 1908, des relevés ont été effectués en même temps que les levés canadiens relatifs à l'irrigation. Au début de l'année 1909, un service des relevés hydrométriques a été créé au sein de la Direction des forêts et de l'irrigation, qui s'en est occupée jusqu'en 1911. L'exécution de ces relevés a ensuite été confiée à la Direction de l'irrigation (devenue plus tard le Service de la mise en valeur des terres), et ce jusqu'en juillet 1920, date à laquelle la Direction fédérale de l'énergie hydraulique en a pris charge. Après que la responsabilité des ressources naturelles de la Saskatchewan a passé à cette dernière, le 1er octobre 1930, un accord de coopération a été conclu avec son gouvernement, aux termes duquel le gouvernement fédéral s'est engagé à poursuivre l'exécution des relevés hydrométriques. L'accord a pris fin en 1933, mais en vertu d'une lettre d'entente, le gouvernement fédéral a continué d'exécuter les observations hydrométriques jusqu'en 1975. Le 18 février 1975, le gouvernement de la Saskatchewan a signé un nouvel accord, qui est entré en vigueur le 1er avril 1975, renfermant des dispositions grâce auxquelles le gouvernement fédéral s'occupera du programme de relevés hydrométriques et partagera le coût des mesures avec la province.

CO–OPERATION AND ACKNOWLEDGMENTS

Co-operative undertakings with other agencies form an important part of the activities of the Water Survey of Canada. Close co-operation has been maintained with public agencies and private organizations concerned with water resources. Runoff and other data have been mutually exchanged and stream-gauging operations have been facilitated by the assistance received from a number of organizations.

On waters adjacent to the International Boundary, certain gauging stations are maintained by Canada (or the United States) under agreement with the United States (or Canada) and the records are collected and compiled in a manner equally acceptable to both countries. These stations are designated as "International Gauging Stations" in this publication.

For the valuable assistance and co-operation received in obtaining hydrometric survey records, the Water Survey of Canada is indebted to the following organizations:

Federal – Department of Regional Economic Expansion, PFRA.

Provincial – Saskatchewan Power Corporation;
Saskatchewan Research Council;
Saskatchewan Department of the Environment.

Private – Churchill River Power Company;
University of Saskatchewan.

COOPÉRATION ET REMERCIEMENTS

Le travail entrepris en coopération avec d'autres organismes représente une partie importante des activités de la Division des relevés hydrologiques du Canada. On a maintenu une étroite collaboration avec les organismes, publics ou privés, qui s'intéressent aux ressources en eau. On a échangé des données portant sur l'écoulement ou sur d'autres points, et l'assistance fournie par beaucoup d'organismes a facilité les opérations de jaugeage.

Pour ce qui est des eaux adjacentes à la frontière internationale, certaines stations de jaugeage dépendent du Canada (ou des États-Unis) suite à un accord avec les États-Unis (ou le Canada), et les relevés sont faits et compilés de façon à satisfaire les deux pays. Ces stations sont nommées «Stations internationales de jaugeage».

La Division des relevés hydrologiques du Canada est redevable aux organismes suivants de l'aide et de la collaboration précieuses qu'ils lui ont apportées lors de la prise des relevés hydrométriques:

Niveau fédéral – Ministère de l'Expansion économique régionale (ARAP).

Niveau provincial – *Saskatchewan Power Corporation*,
Conseil de recherche de la Saskatchewan,
Ministère de l'Environnement de la Saskatchewan.

Secteur privé – *Churchill River Power Company*,
Université de la Saskatchewan.

CONVERSION FACTORS

The following list of convenient equivalents of measure gives the relationship between imperial units and the International System of Units (SI).

1 inch equals 2.54 cm (centimetres)
1 foot equals 0.3048 m (metre)
1 statute mile equals 1.6093 km (kilometres)

1 cm (centimetre) equals 0.393 70 inch
1 m (metre) equals 3.2808 feet
1 km (kilometre) equals 0.621 37 mile

1 acre equals 43 560 square feet
1 acre equals 0.404 69 ha (hectare)
1 square mile equals 640 acres
1 square mile equals 2.5900 km^2 (square kilometres)
1 square mile equals 259.0 ha (hectares)

1 ha (hectare) equals 10 000 m^2 (square metres)
1 ha (hectare) equals 2.4710 acres
1 km^2 (square kilometre) equals 0.386 10 square mile

1 cubic foot equals 6.2288 imperial gallons
1 imperial gallon equals 4.546 09 L (litres)
1 imperial gallon equals 1.2010 U.S. gallons
1 U.S. gallon equals 0.133 68 cubic foot
1 cubic foot equals 0.028 317 m^3 (cubic metre)
1 m^3 (cubic metre) equals 35.315 cubic feet

1 cubic foot per second for one day equals 1.9835 acre-feet
1 cubic foot per second for one day covers one square mile to a depth of 0.037 19 inch
1 acre-foot equals 1.2335 dam^3 (cubic decametres)
1 m^3/s (cubic metre per second) for one day equals 86.4 dam^3 (cubic decametre)
1 m^3/s (cubic metre per second) for one day covers one square kilometre to a depth of 0.0864 m (metre)

1 foot per second equals 0.6818 mile per hour
1 mile per hour equals 1.467 feet per second
1 m/s (metre per second) equals 3.6 km/h (kilometre per hour)
1 km/h (kilometre per hour) equals 0.2778 m/s (metre per second)

1 cubic foot per second equals 0.028 317 m^3/s (cubic metre per second)
1 m^3/s (cubic metre per second) equals 35.315 cubic feet per second

1 pound equals 0.453 59 kg (kilogram)
1 kg (kilogram) equals 2.2046 pounds

1 short ton (2000 pounds) equals 0.907 18 t (tonne)
1 t (tonne) equals 2204.6 pounds

degrees Celsius = 5/9 (degrees Fahrenheit - 32)
degrees Fahrenheit = 9/5 (degrees Celsius) + 32

FACTEURS DE CONVERSION

Voici une liste des unités de mesure impériales et leurs équivalences dans le Système international d'unités (SI).

1 pouce vaut 2.54 cm (centimètres)
1 pied vaut 0.3048 m (mètre)
1 mille terrestre équivaut à 1.6093 km (kilomètre)

1 cm (centimètre) équivaut à 0.393 70 pouce
1 m (mètre) équivaut à 3.2808 pieds
1 km (kilomètre) équivaut à 0.621 37 mille

1 acre vaut 43 560 pieds carrés
1 acre équivaut à 0.404 69 ha (hectare)
1 mille carré vaut 640 acres
1 mille carré équivaut à 2.5900 km^2 (kilomètres carrés)
1 mille carré équivaut à 259.0 ha (hectare)

1 ha (hectare) vaut 10 000 m^2 (mètres carrés)
1 ha (hectare) équivaut à 2.4710 acres
1 km^2 (kilomètre carré) équivaut à 0.386 10 mille carré

1 pied cube équivaut à 6.2288 gallons impérials
1 gallon impérial vaut 4.546 09 L (litres)
1 gallon impérial équivaut à 1.2010 gallon américain
1 gallon américain équivaut à 0.133 68 pied cube
1 pied cube vaut 0.028 317 m^3 (mètre cube)
1 m^3 (mètre cube) vaut 35.315 pieds cubes

1 pied cube par seconde pendant un jour équivaut à 1.9835 acre-pied
1 pied cube par seconde pendant un jour équivaut à un volume d'un mille carré par 0.037 19 pouce
1 acre-pied équivaut à 1.2335 dam^3 (décamètres cubes)
1 m^3/s (mètre cube par seconde) pour un jour vaut 86.4 dam^3 (décamètre cube)
1 m^3/s (mètre cube par seconde) pour un jour couvre un kilomètre carré à une profondeur de 0.0864 m (mètre)

1 pied par seconde équivaut à 0.6818 mille par heure
1 mille par heure équivaut à 1.467 pied par seconde
1 m/s (mètre par seconde) vaut 3.6 km/h (kilomètre par heure)
1 km/h (kilomètre par heure) vaut 0.2778 m/s (mètre par seconde)

1 pied cube par seconde équivaut à 0.028 317 m^3/s (mètre cube par seconde)
1 m^3/s (mètre cube par seconde) équivaut à 35.315 pieds cubes par seconde

1 livre équivaut à 0.453 59 kg (kilogramme)
1 kg (kilogramme) équivaut à 2.2046 livres

1 tonne courte (2000 livres) équivaut à 0.907 18 t (tonne)
1 t (tonne) équivaut à 2204.6 livres

degrés Celsius = 5/9 (degrés Fahrenheit - 32)
degrés Fahrenheit = 9/5 (degrés Celsius) + 32

DEFINITION OF TERMS AND ABBREVIATIONS

"Control" is the condition downstream from a gauging station that determines the stage-discharge relationship. It may be a stretch of rapids, a weir or other artificial structure. In the absence of such features, the control may be a less obvious condition such as a convergence of the channel or even simply the resistance to flow through a downstream reach. A shifting control exists where the stage-discharge relationship tends to change because of impermanent bed or banks.

"Cubic metres per second" (m^3/s) is a unit expressing rate of discharge. One cubic metre per second is equal to one cubic metre of water flowing past a particular point in one second. This is the basic unit in general use, other units being computed from it by the use of factors as given in the previous paragraph under "Conversion Factors".

"Gauging station" is a location where systematic records of stage or stage and discharge are obtained.

"Miscellaneous (or related) data" is all data not published in the regular series of hydrometric and sediment data publications such as unpublished water levels and the various parameters that are measured in obtaining discharge measurements, e.g. water depth, velocity, width, air and water temperatures, ice thickness. This also includes discharge measurements and water level and sediment observations obtained at locations which are not regular gauging stations. Various types of "derived" data could also be considered "miscellaneous", such as water levels and discharges at selected time intervals (usually hourly).

"Stage-discharge relationship" is the relation between the water level and the discharge at a gauging station.

PUBLICATION OF SURFACE WATER AND SEDIMENT DATA

Surface Water Data have been published in a variety of formats in imperial units since 1908 in approximately 270 publications which are now mostly out-of-print. Commencing with the 1979 publications, data are presented in the International System of Units (SI). However, the format has remained the same wherein Canada is divided into eight regions. The provinces each represent a separate region except for New Brunswick, Newfoundland, Nova Scotia and Prince Edward Island which together form the Atlantic Provinces region, and the Yukon and Northwest Territories which make up another. The publications are identified by the province(s) or territories covered and the year in which data were collected. These data are published annually on a calendar-year basis and the stations are listed alphabetically, with two years of data per page.

DÉFINITIONS DES TERMES ET ABRÉVIATIONS

«Élément régulateur» – élément qui conditionne l'écoulement en aval d'une station de jaugeage et qui détermine la relation hauteur-débit au niveau de la station. Ce peut être une série de rapides, un déversoir ou toute autre structure artificielle. En l'absence de ces structures, l'élément régulateur peut provenir d'une condition moins apparente comme le rétrécissement d'un chenal ou simplement la résistance à l'écoulement d'un tronçon situé en aval. Il y a élément régulateur changeant quand la relation hauteur-débit tend à être modifiée par un lit ou des rives instables.

«Mètres cubes par seconde» (m^3/s) – unité du taux d'écoulement. Un mètre cube par seconde équivaut à un mètre cube d'eau s'écoulant en un point donné en une seconde. C'est l'unité de base généralement employée, les autres unités dérivées à partir de celle-ci sont données sous la rubrique «Facteurs de conversion».

«Station de jaugeage» – lieu où l'on effectue des relevés systématiques de la hauteur ou de la hauteur et du débit de l'eau.

«Les données diverses (ou connexes)» – représentent toutes les données qui ne sont pas publiées dans les séries régulières des publications sur les données hydrométriques et les sédiments, par exemple celles des niveaux des eaux et des autres paramètres qui sont mesurés en même temps que le débit, soit la profondeur de l'eau, sa vitesse, son étendue, la température de l'eau et de l'air, l'épaisseur de la glace. Les mesures de débit ainsi que les observations sur les niveaux des eaux et les sédiments, obtenues à des emplacements autres que les stations régulières de jaugeage, sont aussi incluses. D'autres types de données «dérivées» pourraient aussi être classées dans cette catégorie de données «diverses», à savoir les niveaux des eaux et les débits observés à des intervalles de temps précis (en général, toutes les heures).

«Relation hauteur-débit» – relation qui existe entre la hauteur et le débit au niveau d'une station de jaugeage.

PUBLICATION DES DONNÉES SUR LES EAUX DE SURFACE ET LES SÉDIMENTS

Depuis 1908, les *Données sur les eaux de surface* ont été publiées, en utilisant diverses formules et en ayant recours au système d'unités impériales, dans quelque 270 publications lesquelles sont pour la plupart épuisées. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Toutefois, la présentation est toujours la même, c'est-à-dire que le Canada est divisé en huit régions. Chaque province représente une région distincte sauf le Nouveau-Brunswick, la Terre-Neuve, la Nouvelle-Écosse et l'Île-du-Prince-Édouard qui constituent la région des provinces de l'Atlantique, comme c'est le cas aussi pour le Yukon et les Territoires du Nord-Ouest qui sont réunis en une seule région. Les publications sont identifiées par le nom des provinces ou territoires concernés et par l'année de la cueillette des données. Les données sont publiées annuellement, en fonction de l'année civile, et les stations sont classées par ordre alphabétique, chaque page de données couvrant deux années.

The first edition of a *Surface Water Data Reference Index* was published for data to 1966 by province or region. Subsequent editions were published annually or biennially in one publication for Canada. Commencing with the 1979 publication, data are presented in the International System of Units (SI) and future editions will be published biennially. Gauging stations are listed by province or territory, in upstream to downstream order. Coloured maps showing the locations of both active and the discontinued stations were included in the first and second editions and were provided in a separate Hydrometric Map Supplement to the 1972 and the 1977 editions. The latest editions of the Reference Index and the Hydrometric Map Supplement supersede all previous editions.

The first edition of a publication series titled *Historical Streamflow Summary* was produced for data to 1970. Subsequent editions have been published every three years. This publication series contains a summary of historical monthly and annual mean discharges and annual extremes for the entire period of record for all stations where streamflow data have been collected during the history of the Water Survey of Canada. Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI). Editions subsequent to 1982 will be published every two years. The latest edition supersedes all previous editions since it contains any corrections or additions since the last publication.

The first edition of a publication series titled *Historical Water Levels Summary* was produced for data to 1976. This publication series contains a summary of historical monthly and annual mean water levels and annual extremes for the period of record for all stations on lakes or reservoirs where water level data have been collected during the history of the Water Survey of Canada. It also contains a summary of water level data for all stations on rivers where "water levels only" were collected or for certain stations on rivers where streamflow data are collected, but the historical water level information is considered to be of sufficient demand to warrant inclusion in the publication (daily water levels for stations where streamflow data are collected are not normally published in the annual Surface Water Data publications). Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI). The 1983 edition will be the last hard copy edition; subsequent editions will be published every two years on microfiche only. The latest edition supersedes all previous editions since it contains any corrections or additions since the last publication.

During the years 1948–1960, some sediment data were collected for several prairie rivers to meet the demands of particular projects and the results included in the 1961 publication. All subsequent editions titled *Sediment Data Canadian Rivers* were published annually, the same as for the Surface Water Data publications but in one volume. Commencing with the 1978 publication, data are presented entirely in the International System of Units (SI) and will continue to be published on an annual basis.

La première édition de l'*Index de référence des données sur les eaux de surface* comprenait les données disponibles jusqu'en 1966, de chaque province ou région. Les éditions subséquentes étaient publiées annuellement ou tous les deux ans en une seule publication pour tout le Canada. À partir de 1979, les données sont fournies dans le Système international d'unités (SI) et les éditions subséquentes vont paraître tous les deux ans. Les stations de jaugeage sont présentées par province ou territoire et placées dans l'ordre de leur position, d'amont en aval. Des cartes en couleurs, qui indiquent l'emplacement des stations hydrométriques en service, y compris celles qui ne le sont plus, ont paru dans les première et deuxième éditions ainsi que dans le *Supplément de cartes hydrométriques* de 1972 et de 1977. L'édition la plus récente de l'*Index de référence* et celle du *Supplément de cartes hydrométriques* annulent les éditions antérieures.

La première édition d'une série de publications intitulée *Sommaire chronologique de l'écoulement* renfermait les données disponibles jusqu'en 1970. Les éditions subséquentes étaient publiées tous les trois ans. Cette série de publications renferme un résumé des moyennes mensuelles et annuelles des débits ainsi que les débits extrêmes annuels pour toute la période d'enregistrement et pour toutes les stations où des données de débit sont recueillies par la Division des relevés hydrologiques du Canada. Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Les éditions subséquentes à 1982 vont paraître tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

La première édition d'une série de publications intitulée *Sommaire chronologique des niveaux d'eau* comprenait les données disponibles jusqu'en 1976. Cette série de publications contient un résumé des niveaux moyens mensuels et annuels ainsi que des niveaux extrêmes annuels pour la période d'enregistrement pour toutes les stations de lacs ou de réservoirs où des données sur les niveaux d'eau sont recueillies par la Division des relevés hydrologiques du Canada. Elle renferme également un résumé des niveaux d'eau pour toutes les stations de rivières effectuant «uniquement» des relevés de niveaux d'eau ou pour certaines stations de rivières où des données de débit sont recueillies de même que des données sur les niveaux d'eau qui peuvent répondre aux besoins des utilisateurs (en général, les niveaux d'eau quotidiens de stations effectuant des relevés de débit ne sont pas publiées dans les publications annuelles des données sur les eaux de surface). Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). L'édition de 1983 sera la dernière édition imprimé sur papier; les éditions suivantes seront disponibles tous les deux ans sur microfiche seulement. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

De 1948 à 1960, certaines données sur les sédiments étaient recueillies de divers cours d'eau des Prairies afin de répondre aux besoins de projets particuliers et les résultats paraissaient dans l'édition de 1961. Toutes les éditions subséquentes intitulées *Données sur les sédiments de rivières canadiennes* étaient publiées annuellement, comme c'est le cas pour les données sur les eaux de surface, mais dans un seul tome. À partir de 1978, les données sont fournies dans le Système international d'unités (SI) et la publication va paraître chaque année.

The first edition of a *Sediment Data Reference Index* was published for data to 1972. It contains a tabulation of locations where sediment data in Canada were collected by the Water Survey of Canada. The index has been subdivided alphabetically by province or territory, with sediment survey stations listed alphabetically. Commencing with the 1978 publication, data are presented in the International System of Units (SI) and will continue to be published biennially. The latest edition supersedes all previous editions since it contains any corrections or additions since the last publication.

The first edition of a new publication series titled *Historical Sediment Data Summary for Canadian Rivers* was produced for data to 1974. This publication contains a summary of historical monthly and annual mean suspended sediment load, and annual extremes of daily suspended sediment concentration and loads and total annual suspended load. Commencing with the 1978 publication, data are presented entirely in the International System of Units (SI). Future editions will be published every five years. The latest edition supersedes all previous editions since it contains any corrections or additions since the last publication.

METHOD OF TABULATION OF SURFACE WATER DATA

For gauging stations where a systematic record of water level or discharge was obtained during the year under review, the following are given where available:

1. Table of daily water level or discharge;
2. Summary of monthly and annual data;
3. Descriptive information.

1. *The table of daily water level* or *discharge* gives the daily water level in metres or the daily discharge in cubic metres per second at the gauging station.

The following standard symbols are used opposite the daily stage or discharge to which they apply:

A – Manual Gauge – indicates that one or more manual gauge observations per day were obtained and used as the mean for the day for a gauging station equipped with a recording gauge. This symbol is used during open-water periods only.

B – Ice Conditions – indicates the presence of ice at the gauging station. For gauging stations where discharge data are obtained, this symbol indicates that the presence of ice has affected the stage-discharge relationship.

E – Estimated – indicates any estimated data. It indicates that the value was determined by some indirect method such as interpolation, extrapolation, estimation from a graph of observed readings, comparison with other streams or by comparison with meteorological data.

La première édition de l'*Index de référence des données sur les sédiments* renfermait les données disponibles jusqu'en 1972. Elle comprenait une mise en tableaux des emplacements où des données sur les sédiments sont recueillies au Canada par la Division des relevés hydrologiques. L'Index est subdivisé alphabétiquement par province ou territoire et les stations de relevés des sédiments sont classées en ordre alphabétique. À partir de 1978, les données sont fournies dans le Système international d'unités (SI) et sont publiées tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

La première édition d'une nouvelle série de publications intitulée *Sommaire chronologique des données sur les sédiments de rivières canadiennes* renfermait les données disponibles jusqu'en 1974. Cette série présente un résumé des moyennes mensuelles et annuelles de la charge de sédiments en suspension, des extrêmes annuels de la concentration quotidienne et de la charge quotidienne des sédiments en suspension, ainsi que de la charge totale annuelle des sédiments en suspension. À partir de 1978, les données sont fournies dans le Système international d'unités (SI). Les éditions subséquentes vont paraître tous les cinq ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

PRÉSENTATION SOUS FORME DE TABLEAUX DES DONNÉES SUR LES EAUX DE SURFACE

Pour les stations de jaugeage où on a effectué, au cours de l'année étudiée, un relevé systématique du débit ou du niveau, les données suivantes sont présentées, pour autant qu'elles soient disponibles:

1. un tableau du niveau ou du débit quotidien;
2. un extrait des données mensuelles et annuelles;
3. des renseignements descriptifs.

1. *Le tableau du niveau* ou *du débit quotidien* donne la hauteur des eaux, en mètres ou le débit, en mètres cubes par seconde, mesuré à la station de jaugeage.

Les symboles normalisés donnés ci-après sont inscrits à côté des valeurs auxquelles ils se rapportent:

A – Jauge manuelle – indique qu'on a effectué à une station de jaugeage dotée d'une jauge enregistreuse au moins une observation par jour à l'aide d'une jauge manuelle et qu'on s'en est servi comme moyenne pour la journée en question. Le symbole n'est employé qu'au cours de périodes d'eau libre.

B – Glaces – indique la présence de glaces à la station de jaugeage, qui ont faussé la relation hauteur-débit.

E – Estimatives – indique une donnée estimative, c'est-à-dire qu'on a déterminé la valeur de façon indirecte, par exemple par interpolation, extrapolation, à l'aide de graphique, ou par comparaison avec d'autres cours d'eau ou avec des données météorologiques.

2. *A summary of monthly and annual data* is given below the table of daily data.

For stations where only water level data are obtained, both a monthly and annual summary are given.

The monthly summary gives:
(a) the mean water level in metres for complete months;
(b) the maximum and minimum daily water level in metres.

The summary for the year gives:
(a) the mean water level in metres for complete years;
(b) the maximum and minimum daily water levels and their dates of first occurrence where applicable;
(c) the maximum instantaneous water level and the time of occurrence where available.

For stations where discharge data are collected, both a monthly and annual summary are given.

The monthly summary gives:
(a) the total of the daily discharge values for complete months;
(b) the mean discharge in cubic metres per second;
(c) the total discharge in cubic decametres;
(d) the maximum and minimum daily discharges in cubic metres per second.

The summary for the year or period gives:
(a) the mean discharge in cubic metres per second;
(b) the total discharge in cubic decametres;
(c) the maximum and minimum daily discharges and their dates of first occurrence;
(d) the maximum instantaneous discharge and the time of occurrence, where available.

3. *The descriptive information* about the gauging station is also given below the table of daily data and will indicate the following where applicable:

International Gauging Stations – on waters adjacent to the international boundary, certain gauging stations have been designated as "International" and records are approved jointly. Differences between figures published herein and corresponding figures in United States Water Supply Papers are due to variations in automated data processing techniques.

Type of Gauge – refers to the installation or method used to obtain water level or discharge data:

(a) Manual – a non-recording type of gauge from which observations of stage normally are obtained once daily.
(b) Recording – a water-stage recorder from which continuous water levels are obtained on an analog chart. For most International Gauging Stations located in the United States, water level records are obtained utilizing a digital recorder.
(c) Power Plant Rating – this indicates that records were obtained using the latest available rating of the Power Plant.

2. *Un extrait des données mensuelles et annuelles* est donné au-dessous du tableau des données quotidiennes.

Les extraits mensuels et annuels sont présentés dans le cas des stations où on n'a mesuré que le niveau.

L'extrait mensuel donne:
(a) le niveau moyen en mètres pour le mois entier, et
(b) les niveaux quotidiens maximal et minimal en mètres.

L'extrait annuel donne:
(a) le niveau moyen en mètres pour l'année entière;
(b) les niveaux quotidiens maximal et minimal ainsi que les dates de leur première observation, s'il y a lieu, et
(c) le niveau maximal instantané et l'heure de l'observation, s'il y a lieu.

Les extraits mensuels et annuels sont présentés dans le cas des stations où on n'a mesuré que le débit.

L'extrait mensuel donne:
(a) le total des valeurs quotidiennes du débit, pour le mois entier;
(b) le débit moyen en mètres cubes par seconde;
(c) le débit total en décamètres cubes, et
(d) les débits quotidiens maximal et minimal en mètres cubes par seconde.

L'extrait annuel ou périodique donne:
(a) le débit moyen en mètres cubes par seconde;
(b) le débit total en décamètres cubes;
(c) les débits quotidiens maximal et minimal ainsi que les dates de première observation, s'il y a lieu, et
(d) le débit maximal instantané et l'heure de l'observation, s'il y a lieu.

3. *Les renseignements descriptifs* sur les stations de jaugeage sont également présentés sous le tableau des données quotidiennes et apportent les précisions qui suivent, s'il y a lieu:

Stations internationales de jaugeage (International Gauging Stations) – Dans les eaux contiguës aux frontières, on a désigné certaines stations comme «internationales», et les données prélevées sont approuvées par les pays concernés. Les différences entre les chiffres publiés dans la présente publication et les *United States Water Supply Papers* proviennent de variantes dans les techniques de traitement automatique des données.

Type de jauge (Type of Gauge) – Il s'agit des jauges ou des méthodes de jaugeage utilisées pour obtenir les données sur le niveau et le débit d'un cours d'eau:

(a) Manuelle (Manual) – indique qu'un appareil non enregistreur sert à obtenir une fois par jour les données sur le niveau et le débit d'un cours d'eau.
(b) Enregistreuse (Recording) – indique qu'un limnigraphe permet de mesurer de façon continue le niveau des eaux tracé sur une carte analogique. La plupart des stations internationales de jaugeage des États-Unis obtiennent les données sur le niveau des eaux à l'aide d'un enregistreur numérique.
(c) Régime des stations hydrauliques (Power Plant Rating) – indique qu'on a obtenu les données grâce aux valeurs les plus récentes des régimes mesurés dans les stations hydrauliques.

Location – the latitude and longitude co-ordinates of the location of the gauge are given. For stations where the gauge is located in appreciable distance from the discharge measurement section, these co-ordinates give the location of the discharge measurement section.

Drainage Area – this is the latest available drainage area and refers to that area enclosed by a topographic divide such that direct surface runoff from precipitation would drain by gravity into the stream upstream from the location of the station. For a gauging station on a lake, this refers to the total drainage area at the outlet of the lake.

Contributed Data – if data were supplied in their entirety by an outside agency, the name of th co-operating agency is given.

Natural Flow or *Regulated* – where the flow is known to be natural, this is indicated. The flow of water in many river systems is affected by upstream regulation. In some cases, the extent of this regulation is not known and therefore is not indicated. However, where the regulation is known to be "appreciable", this is indicated as well as the year that the regulation began, if known.

Gauge Datum – for stations where only water level data are available, the name of the datum, to which water levels are referred, is given as well as an equation to convert to another datum if applicable. Detailed information on the description of the bench marks to which water levels are referred is available from the appropriate Regional Chief.

Remarks – unusual conditions which occur at a station are explained.

REVISIONS

A number of corrections or revisions have been made to previously published data. Many of these were required because of typographical or computational errors which were exposed when daily discharges were stored on magnetic tape and monthly means were re-calculated by computer. Other errors were discovered or different interpretations of basic data were made during the systematic review of historical streamflow data presently underway, for example, these revisions may have been justified because a more reliable stage-discharge relationship had been developed.

Revisions to daily discharges or daily water levels are not published at present. However, those stations where a systematic review has been conducted are identified in the Surface Water Data Reference Index publication. The Historical Streamflow Summary publications contain revisions to monthly and annual mean discharges, and annual extremes of discharge. The Historical Water Levels Summary publications contain revisions to monthly and annual mean water levels, and annual extremes of water level. Revisions, corrections or additions made to the discharges and water levels after January 1, 1980 are indicated by an "R" symbol in the summary publications. Detailed information on revisions to historical data is available from the appropriate Regional Chief.

Emplacement (Location) – La latitude et la longitude de la station de jaugeage sont indiquées. Dans les cas où l'équipement de mesure est situé à un endroit éloigné de la section où le jaugeage est effectué, on indique les coordonnées de cette section.

Superficie du bassin versant (Drainage Area) – Il s'agit de la superficie du bassin versant déterminée d'après les cartes les plus récentes et désigne la zone délimitée par une ligne de partage des eaux de sorte que l'écoulement d'averse est entraîné par gravité vers le cours d'eau en amont de la station. S'il s'agit d'une station située sur un lac, elle représente la superficie totale jusqu'à l'émissaire du lac.

Données fournies (Contributed Data) – Nom de l'organisme extérieur qui a fourni les données.

Débit naturel ou *régularisé* (Natural Flow or Regulated) – Un débit reconnu comme naturel est indiqué comme tel. Le débit de plusieurs réseaux hydrographiques est modifié par une régularisation qui est effectuée en amont. Il arrive parfois que l'importance de cett régularisation ne soit pas connue, et elle n'est donc pas indiquée. Cependent, quand on sait que la régularisation est d'une certaine importance, on l'indique ainsi que l'année où elle a débuté (si elle est connue).

Plan de référence des jauges (Gauge Datum) – Pour les stations dans lesquelles on ne mesure que le niveau de l'eau, on indique le plan de référence de la jauge en question et l'équation permettant, au besoin, de convertir ce plan en un autre plan. En s'adressant au chef régional concerné, on peut obtenir des renseignements plus précis au sujet des niveaux de référence auxquels correspondent les niveaux mesurés.

Remarques (Remarks) – Les conditions inhabituelles qui prévalent à une station sont expliquées.

RÉVISIONS

On a corrigé ou révisé beaucoup de données déjà publiées. Il a été nécessaire d'effectuer plusieurs corrections, car on a relevé des erreurs typographiques ou de calculs lorsqu'on a enregistré les débits quotidiens sur rubans magnétiques et qu'on a recalculé à l'aide d'ordinateurs les moyennes mensuelles. On a aussi relevé d'autres erreurs ou fait des interprétations différentes de données de base au cours de la révision rétrospective systématique des données de débit qu'on est à faire en ce moment. Ainsi, on peut justifier des corrections, par le fait qu'on ait trouvé une relation hauteur-débit plus sûre.

Les corrections apportées aux débits quotidiens ou aux niveaux d'eau quotidiens ne sont pas publiées, du moins pour le moment. Cependant, les stations où on a effectué une révision systématique sont identifiées dans l'*Index de référence des données sur les eaux de surface*. Les publications intitulées *Sommaire chronologique de l'écoulement* contiennent des données sur les moyennes mensuelles et annuelles des débits et sur les extrêmes annuels des débits qu'on a révisées. Les publications intitulées *Sommaire chronologique des niveaux d'eau* renferment les révisions apportées aux niveaux moyens mensuels et annuels ainsi que les extrêmes annuels. Les révisions et corrections apportées aux débits et aux niveaux d'eau après le 1er janvier 1980 sont accompagnées du symbole «R» dans les publications sommaires. On peut obtenir plus de détails sur les révisions en s'adressant au chef régional concerné.

ACCURACY OF HYDROMETRIC DATA

The overall accuracy or the degree of reliability of hydrometric data referred to herein, depends upon (1) the stability of the stage-discharge relationship; or if the control is unstable, the frequency of discharge measurements, and (2) the accuracy of observations of stage, measurements of discharge and interpretation of records. Because of all the variable factors mentioned above, the number of significant figures used herein has been standardized for uniformity of presentation and does not reflect the degree of accuracy of the data.

A measure of the reliability of the records can be made by an examination of the distribution of the symbols A, B and E.

In general, data collected during open-water periods are more reliable than those collected during periods of ice conditions or those obtained by estimation. Further, water level data collected utilizing a water-stage recorder are more reliable and accurate than those using a manual gauge only, especially for small or flashy streams.

MICROFICHE

All published daily discharge, water level and sediment data are available in metric units on microfiche, upon request. The data are stored in station number order by Region, therefore data for a particular province may include fiche from two or more Regions. There are 270 frames per microfiche at 48X reduction; there is a visible heading showing the fiche number, type of data, Region, beginning and ending station number and year of data, and the month/year the fiche was created. The last frame is an index of the contents of that fiche.

EXACTITUDE DES DONNÉES HYDROMÉTRIQUES

La précision totale ou le degré d'exactitude des données hydrométriques dont on parle ici sont basés sur (1) la stabilité de la relation hauteur-débit ou, si l'élément régulateur est changeant, sur la fréquence des mesures de débits, et (2) sur la précision des observations sur les niveaux, des mesures de débits et de l'interprétation des relevés. À cause de toutes les variables déjà mentionnées, on a normalisé pour des fins d'uniformité de présentation le nombre de chiffres significatifs, mais ceci ne réflète pas le degré d'exactitude des données.

L'exactitude des données peut être appréciée par l'examen de la répartition des symboles A, B et E.

En général, les données recueillies au cours des périodes d'eau libre sont plus sûres que celles qui sont obtenues au cours des périodes de glaces ou par estimation. De plus, les données sur le niveau des eaux qui sont mesurées à l'aide d'un limnigraphe sont plus certaines et plus exactes que celles qui sont mesurées à l'aide d'une jauge manuelle seulement, surtout dans le cas de petits cours d'eau ou de cours d'eau à crues très rapides.

MICROFICHE

Toutes les données publiées concernant les débits quotidiens, les niveaux d'eau et les sédiments sont disponibles sur microfiche en unités métriques aux usagers qui en font la demande. Ces données sont emmagasinées par ordre de numéro de station et par région. Les données relatives à une province en particulier peuvent donc inclure des fiches en provenance de deux régions ou plus. Chaque microfiche renferme 270 pages réduites de 48X. L'en-tête indique le numéro de la fiche, le genre de données, la région, le numéro de la première et de la dernière station, celui de la première et de la dernière année de cueillette ainsi que le mois et l'année de préparation de la fiche. La dernière image donne l'index du contenu de la fiche.

ADAMS LAKE - STATION NO. 11AB005

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	1188.178	---	1187.288	---	---	1186.798	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	1187.305E	1187.840E	1188.180E	1188.098E	1187.287E	1187.192E	1186.965E	1186.818E	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	1187.584	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	1187.305E	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	1188.010E	---	1188.000E	---	---	1186.890E	---	---	---	19
20	---	---	1187.590E	---	1188.180E	---	1187.280E	1187.105E	---	1186.805E	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	1187.305	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	1188.180	---	---	---	---	---	1186.798E	---	---	26
27	---	1187.305E	---	---	---	1187.283	---	---	---	---	---	---	27
28	---	1187.305E	---	---	---	---	---	---	1186.833	---	---	---	28
29	---		1187.861	1188.180E	---	1187.278E	---	1187.034	1186.832E	---	---	---	29
30	---		1187.655E	1188.180E	1188.180E	1187.270E	1187.267E	1187.030E	1186.830E	---	---	---	30
31	---		1187.685E		1188.180E		1187.258E	1187.022E		1186.800E		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 38 33 N
LONG 109 50 14 W

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

ALCOTT CREEK ABOVE MEADOW LAKE - STATION NO. 09AD011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0828	0.0928	0.536	0.080	0.400	0.022	0.002	0.013	0.039	---	1
2	---	---	0.0828	0.0988	0.598	0.081	0.395	0.022	0.001	0.012	0.053	---	2
3	---	---	0.0828	0.1028	0.940	0.088	0.139	0.015	0.003	0.012	0.101A	---	3
4	---	---	0.0828	0.1128	0.943	0.093	0.088	0.017	0.002	0.013	---	---	4
5	---	---	0.0828	0.1708	0.735	0.092	0.084	0.016	0.006	0.010	---	---	5
6	---	---	0.0828	0.4898	0.798	0.080	0.115	0.017	0.008	0.010	---	---	6
7	---	---	0.0828	1.20 B	0.718	0.083	0.070	0.013	0.001	0.008	---	---	7
8	---	---	0.0828	1.43 B	0.656	0.087	0.089	0.012	0.001	0.008	---	---	8
9	---	---	0.0828	1.10 B	0.636	0.074	0.226	0.015	0.001	0.010	---	---	9
10	---	---	0.0828	0.9408	0.568	0.071	0.332	0.011	0.002	0.011	---	---	10
11	---	---	0.0828	0.8028	0.477	0.068	0.284	0.011	0.001	0.011	---	---	11
12	---	---	0.0828	0.7078	0.398	0.061	0.181	0.012	0.001	0.010	---	---	12
13	---	---	0.0828	0.6058	0.364	0.051	0.123	0.012	0.001	0.011	---	---	13
14	---	---	0.0828	0.582A	0.329	0.051	0.102	0.008	0.001	0.012	---	---	14
15	---	---	0.0828	0.539	0.290	0.045	0.177	0.009	0.001	0.013	---	---	15
16	---	---	0.0828	0.885	0.285	0.041	0.259	0.008	0.001	0.013	---	---	16
17	---	---	0.0828	0.778	0.250	0.041	0.302	0.007	0.015	0.013	---	---	17
18	---	---	0.0828	0.682	0.261	0.086	0.239	0.006	0.018	0.013	---	---	18
19	---	---	0.0828	0.962	0.289	0.047	0.178	0.007	0.038	0.014	---	---	19
20	---	---	0.0828	0.995	0.284	0.035	0.087	0.007	0.042	0.018	---	---	20
21	---	---	0.0828	1.01	0.324	0.033	0.062	0.010	0.041	0.028	---	---	21
22	---	---	0.0828	1.23	0.347	0.030	0.043	0.008	0.042	0.012	---	---	22
23	---	---	0.0828	1.63	0.375	0.029	0.041	0.007	0.034	0.010	---	---	23
24	---	---	0.0828	1.67	0.360	0.027	0.037	0.008	0.031	0.015	---	---	24
25	---	---	0.0828	1.30	0.335	0.028	0.036	0.003	0.024	0.021	---	---	25
26	---	---	0.0828	1.05	0.363	0.027	0.031	0.003	0.021	0.023	---	---	26
27	---	---	0.0828	0.850A	0.267	0.812	0.028	0.002	0.018	0.026	---	---	27
28	---	---	0.0842	0.721	0.321	0.899	0.023	0.003	0.014	0.027	---	---	28
29	---		0.0853	0.618	0.182	0.886	0.028	0.003	0.014	0.031	---	---	29
30	---		0.0888	0.500	0.114	0.845	0.029	0.003	0.014	0.032	---	---	30
31	---		0.0888		0.088		0.024	0.003		0.032		---	31
TOTAL	---	---	3.588	24.011	13.308	4.311	4.112	0.287	0.388	0.492	---	---	TOTAL
MEAN	---	---	0.083	0.800	0.428	0.144	0.133	0.010	0.013	0.016	---	---	MEAN
MAX	---	---	0.088	1.87	0.843	0.812	0.400	0.022	0.042	0.032	---	---	MAX
MIN	---	---	0.087	0.082	0.088	0.027	0.023	0.003	0.001	0.008	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.202
MAXIMUM DAILY, 1.87 ON APR 24
MINIMUM DAILY, 0.001 ON SEP 2
MAXIMUM INSTANTANEOUS,
3.38 AT 11:49 CST ON APR 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 57 10 N
LONG 107 56 30 W
DRAINAGE AREA, 416 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	355
FEB	---	AUG	25.7
MAR	221	SEP	34.4
APR	2 070	OCT	42.5
MAY	1 140	NOV	---
JUN	372	DEC	---

TOTAL DISCHARGE, 4 280 dam³

ALTAWAN RESERVOIR NEAR GOVERLOCK - STATION NO. 11AB085

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	898.154	898.204	897.582	898.344A	898.808	898.430	898.780	898.572	898.570	---	1
2	---	---	898.180	898.208	897.462	898.188A	898.818	898.334	898.738	898.574	898.582A	---	2
3	---	---	898.183	898.206	897.412	898.067E	898.818	898.243	898.724	898.577	---	---	3
4	---	---	898.158	898.210	897.358	898.008E	898.821	898.138	898.718	898.582	---	---	4
5	---	---	898.189	898.219	897.306	897.981E	898.826	898.029	898.712	898.584	---	---	5
6	---	---	898.159	898.220	897.246	897.976E	898.821	898.932	898.701	898.582	---	---	6
7	---	---	898.158	898.226	897.211	897.914E	898.823	898.894	898.701	898.570	---	---	7
8	---	---	898.158	898.230	897.215	897.848E	898.820A	898.878	898.692	898.567	---	---	8
9	---	---	898.184	898.198	897.219A	897.781E	898.823A	898.884	898.688	898.571	---	---	9
10	---	---	898.173	898.179	897.236A	897.724E	898.868A	898.879	898.686	898.570	---	---	10
11	---	---	898.175	898.146	897.258	897.653E	898.964A	898.874	898.683	898.569	---	---	11
12	---	---	898.187	898.118	897.286	897.581E	898.977A	898.867	898.678	898.573	---	---	12
13	---	---	898.211	898.087	897.284	897.527A	897.008	898.863	898.679	898.574	---	---	13
14	---	---	898.495	898.058	897.314	897.438	897.023	898.862	898.676	898.572	---	---	14
15	---	---	898.596	898.033	897.382A	897.328	898.930	898.857	898.686	898.570	---	---	15
16	---	---	898.606	898.036	897.588A	897.238	898.810	898.852	898.686	898.588	---	---	16
17	---	---	898.578	898.041	897.788	897.138	898.891	898.840	898.688	898.585	---	---	17
18	---	---	898.562	898.045	897.920	897.049	898.580	898.835	898.648	898.586	---	---	18
19	---	---	898.524	898.040	898.078A	898.881	898.854	898.813	898.643	898.587	---	---	19
20	---	---	898.496	898.048	898.232	898.897	898.554	898.812	898.633	898.581	---	---	20
21	---	---	898.471	898.048	898.328	898.854	898.552	898.803	898.803	898.587	---	---	21
22	---	---	898.438	898.055	898.387	898.837	898.849	898.801	898.643	898.575	---	---	22
23	---	898.183A	898.426	898.058	898.427A	898.828	898.831	898.794	898.257	898.572	---	---	23
24	---	898.137	898.387	898.072	898.470E	898.829	898.888	898.784	898.064	898.582	---	---	24
25	---	898.138	898.352	898.028	898.500E	898.814	898.936	898.788	898.631	898.588	---	---	25
26	---	898.146	898.322	897.985	898.550E	898.814	898.988	898.786	898.630	898.589	---	---	26
27	---	898.147	898.285	897.874	898.580E	898.808	898.883	898.782	898.577	898.578	---	---	27
28	---	898.148	898.270	897.782	898.600E	898.802	898.788	898.773	898.572	898.585	---	---	28
29	---		898.240	897.714	898.621E	898.787	898.708	898.770	898.563	898.584	---	---	29
30	---		898.213A	897.631	898.640E	898.809	898.619	898.771	898.585	898.585	---	---	30
31	---		898.201A		898.500E		898.627	898.787		898.589		---	31
MEAN	---	---	898.314	898.088	897.835	897.382	898.798	898.895	898.428	898.570	---	---	MEAN
MAX	---	---	898.606	898.230	898.640	898.344	897.023	898.430	898.780	898.584	---	---	MAX
MIN	---	---	898.154	897.631	897.211	898.787	898.627	898.787	898.563	898.558	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 898.640E ON MAY 30

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1983

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 10 00 N
LONG 109 55 00 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

AMISK LAKE NEAR FLIN FLON - STATION NO. 05KG003

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0.988A	0.969	0.982	1.005	---	1.311	1.559	1.541	1.540	1.606	1.590	1
2	---	0.981	0.972	0.981	1.005	---	1.326	1.562	1.539	1.538	1.606	1.552	2
3	---	0.981	0.987	0.980	1.013	---	1.329	1.566	1.560	1.535	1.606	1.550	3
4	---	0.978	0.978	0.982	1.017	---	1.339	1.573	1.573	1.539	1.607	1.541	4
5	---	0.978	0.989	0.984	1.023	---	1.352	1.588	1.589	1.539	1.612	1.541	5
6	---	0.980	0.972	0.984	1.027	---	1.358	1.589	1.573	1.535	1.601	1.538	6
7	---	0.975	0.978	0.984	1.029	---	1.364	1.583	1.578	1.541	1.600	1.534	7
8	---	0.976	0.974	0.981	1.034	---	1.383	1.580	1.568	1.540	1.605	1.517	8
9	---	0.978	0.974	0.978	---	---	1.372	1.587	1.580	1.541	1.607	1.513	9
10	---	0.981	0.978	0.976	---	---	1.383	1.578	1.573	1.541	1.602	1.512	10
11	---	0.977	0.980	0.978	---	---	1.397	1.581	1.578	1.541	1.599	1.505	11
12	---	0.978	0.985	0.978	---	---	1.402	1.575	1.578	1.547	1.599	1.503	12
13	---	0.981	0.984	0.977	---	---	1.416	1.584	1.581	1.546	1.604	1.498	13
14	---	0.981	0.983	0.978	---	---	1.413	1.575	1.575	1.539	1.596	1.495	14
15	---	0.984	0.986	0.981	---	1.196A	1.434	1.589	1.572	1.544	1.594	1.493	15
16	---	0.974	0.984	0.974	---	1.205	1.453	1.582	1.568	1.545	1.592	1.498	16
17	---	0.986	0.987	0.978	---	1.214	1.475	1.584	1.578	1.535	1.585	1.486	17
18	---	0.972	0.982	0.978	---	1.218	1.474	1.584	1.594	1.533	1.591	1.481	18
19	---	0.973	0.983	0.979	---	1.227	1.483	1.586	1.595	1.536	1.588	1.478	19
20	---	0.971	0.979	0.977	---	1.232	1.487	1.582	1.589	1.532	1.584	1.477	20
21	---	0.974	0.983	0.973	---	1.234	1.492	1.582	1.588	1.526	1.582	1.481	21
22	---	0.974	0.985	0.978	---	1.231	1.508	1.558	1.603	1.528	1.585	1.476	22
23	---	0.974	0.987	0.978	---	1.241	1.511	1.551	1.620	1.528	1.578	1.472	23
24	---	0.971	0.990	0.977	---	1.242	1.520	1.558	1.634	1.527	1.578	1.464	24
25	---	0.974	0.991	0.976	---	1.241	1.524	1.558	1.630	1.521	1.589	1.462A	25
26	---	0.988	0.990	0.988	---	1.267	1.533	1.558	1.634	1.520	1.573	1.459E	26
27	---	0.985	0.992	0.983	---	1.286	1.542	1.551	1.627	1.519	1.571	1.457E	27
28	---	0.986	0.992	0.987	---	1.296	1.529	1.548	1.632	1.514	1.568	1.458E	28
29	---		0.997	0.988	---	1.301	1.527	1.544	1.638	1.512	1.555	1.456E	29
30	---		0.990	0.998	---	1.308	1.538	1.542	1.638	1.512	1.580	1.452E	30
31	---		0.987		---		1.552	1.545		1.513		1.450E	31
MEAN	---	0.976	0.982	0.982	---	---	1.442	1.565	1.590	1.532	1.590	1.495	MEAN
MAX	---	0.988	0.997	0.998	---	---	1.552	1.587	1.638	1.547	1.612	1.590	MAX
MIN	---	0.985	0.987	0.973	---	---	1.311	1.542	1.538	1.512	1.555	1.450	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 1.647 ON OCT 12

MAXIMUM INSTANTANEOUS,
1.666 AT 01:15 CST ON SEP 24

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 39 05 N
LONG 102 05 20 W

A - MANUAL GAUGE

E - ESTIMATED

NATURAL FLOW

ANGLIN LAKE RESERVOIR - STATION NO. 05EE005

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	515.357	515.384	515.388	515.312	515.455	515.407	515.482	515.412	515.295	515.393	515.388	515.401	1
2	515.356	515.384	515.390	515.302	515.453	515.415	515.494	515.411	515.288	515.397	515.381	515.400	2
3	515.360	515.385	515.394	515.292	515.451	515.426	515.507	515.404	515.284	515.398	515.389	515.400	3
4	515.363	515.385	515.398	515.284	515.447	515.423	515.507	515.408	515.285	515.398	515.384	515.400	4
5	515.364	515.386	515.398	515.278	515.444	515.426	515.488	515.389	515.298	515.397	515.382	515.399	5
6	515.362	515.385	515.399	515.272	515.442	515.424	515.485	515.394	515.331	515.390	515.389	515.400	6
7	515.364	515.385	515.396	515.273	515.439	515.430	515.489	515.387	515.326	515.388	515.381	515.398	7
8	515.364	515.385	515.395	515.280	515.438	515.431	515.490	515.378	515.329	515.382	515.372	515.398	8
9	515.364	515.384	515.396	515.288	515.455	515.426	515.491	515.375	515.340	515.381	515.373	515.398	9
10	515.367	515.385	515.398	515.298	515.475	515.439	515.486	515.386	515.386	515.386	515.380	515.399	10
11	515.368	515.385	515.396	515.310	515.432	515.437	515.475	515.358	515.380	515.382	515.370	515.402	11
12	515.370	515.385	515.395	515.311	515.425	515.444	515.470	515.368	515.383	515.377	515.374	515.402	12
13	515.373	515.383	515.394	515.314	515.425	515.437	515.466	515.345	515.385	515.377	515.378	515.402	13
14	515.374	515.384	515.395	515.317	515.419	515.446	515.459	515.344	515.385	515.373	515.376	515.403	14
15	515.375	515.384	515.398	515.318	515.412	515.433	515.451	515.340	515.382	515.371	515.377	515.404	15
16	515.376	515.384	515.398	515.318	515.403	515.425	515.446	515.337	515.383	515.372	515.378	515.402	16
17	515.377	515.385	515.398	515.320	515.400	515.418	515.432	515.334	513.380	515.368	515.381	515.401	17
18	515.378	515.385	515.394	515.323	515.408	515.412	515.434	515.341	515.411	515.365	515.385	515.400	18
19	515.378	515.384	515.393	515.332	515.398	515.409	515.431	515.335	515.403	515.358	515.387	515.401	19
20	515.376	515.383	515.395	515.348	515.401	515.418	515.427	515.333	515.404	515.359	515.390	515.398	20
21	515.373	515.382	515.395	515.381	515.410	515.420	515.440	515.327	515.402	515.358	515.392	515.397	21
22	515.375	515.383	515.394	515.378	515.407	515.425	515.438	515.321	515.388	515.358	515.393	515.398	22
23	515.378	515.382	515.397	515.381	515.408	515.422	515.438	515.318	515.389	515.358	515.394	515.398	23
24	515.378	515.382	515.402	515.407	515.389	515.430	515.434	515.318	515.401	515.361	515.395	515.391	24
25	515.378	515.383	515.397	515.431	515.388	515.434	515.440	515.318	515.401	515.362	515.397	515.391	25
26	515.378	515.383	515.370	515.451	515.408	515.444	515.429	515.312	515.401	515.361	515.398	515.390	26
27	515.380	515.384	515.358	515.458	515.413	515.438	515.408	515.311	515.414	515.364	515.398	515.391	27
28	515.384	515.386	515.345	515.462	515.408	515.440	515.422	515.307	515.408	515.369	515.400	515.388	28
29	515.384		515.336	515.461	515.409	515.448	515.421	515.303	515.395	515.362	515.400	515.388	29
30	515.384		515.329	515.455	515.404	515.483	515.418	515.304	515.384	515.363	515.401	515.388	30
31	515.384		515.322		515.388		515.414	515.300		515.358		515.385	31
MEAN	515.373	515.384	515.385	515.345	515.422	515.430	515.458	515.348	515.385	515.371	515.382	515.397	MEAN
MAX	515.384	515.386	515.402	515.462	515.475	515.483	515.507	515.412	515.414	515.398	515.401	515.404	MAX
MIN	515.357	515.382	515.322	515.272	515.388	515.407	515.408	515.300	515.284	515.348	515.359	515.388	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MEAN, 515.388
MAXIMUM DAILY, 515.507 ON JUL 2
MINIMUM DAILY, 515.272 ON APR 6
MAXIMUM INSTANTANEOUS,
515.526 AT 19:17 CST ON JUL 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 39 50 N
LONG 105 00 30 W

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - THE MAXIMUM INSTANTANEOUS WATER LEVEL OCCURRED AS A RESULT OF WIND EFFECT

ANTELOPE CREEK NEAR CABRI - STATION NO 05HC005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.010	0.012	0.018	0.004	0	0	0	0	---	---	1
2	---	0 B	0.007	0.011	0.015	0.005	0	0	0	0	---	---	2
3	---	0 B	0.006	0.009	0.012	0.005	0	0	0	0	---	---	3
4	---	0 B	0.005	0.005	0.011	0.004	0	0	0	0	---	---	4
5	---	0 B	0.004	0.002	0.008	0.003	0	0	0	0	---	---	5
6	---	0 B	0.001	0	0.005	0.003	0	0	0	0	---	---	6
7	---	0 B	0.001	0	0.003	0.002	0	0	0	0	---	---	7
8	---	0 B	0	0	0.001	0.002	0	0	0	0	---	---	8
9	---	0 B	0.004	0	0	0.001	0	0	0	0	---	---	9
10	---	0 B	0.015	0.001	0.015	0.001	0	0	0	0	---	---	10
11	---	0 B	0.017	0.002A	0.013A	0	0	0	0	0	---	---	11
12	---	0 B	0.020	0.001A	0.011E	0.003	0	0	0	0	---	---	12
13	---	0 B	0.038	0	0.010E	0.003	0	0	0	0	---	---	13
14	---	0 B	0.109	0	0.009E	0.003	0	0	0	0	---	---	14
15	---	0 B	0.144	0	0.008E	0.003	0	0	0	0	---	---	15
16	---	0 B	0.111E	0	0.008E	0.002	0	0	0	0	---	---	16
17	---	0 B	0.0348	0	0.007E	0.001	0	0	0	0	---	---	17
18	---	0 B	0.0188	0	0.007E	0.001	0	0	0	0	---	---	18
19	---	0 B	0.0128	0	0.007E	0.002	0	0	0	0	---	---	19
20	---	0 B	0.008B	0	0.008E	0.001	0.033	0	0	0	---	---	20
21	---	0 B	0.005B	0	0.008E	0.001	---	0	0	0	---	---	21
22	---	0 B	0.003B	0	0.008E	0.001	0.873	0	0	0	---	---	22
23	---	0 B	0.004B	0	0.008E	0.001	0.108	0	0	0	---	---	23
24	---	0	0.005B	0	0.008E	0.002	0.024	0	0	0	---	---	24
25	---	0.002	0.004B	0	0.008A	0.001	0.015	0	0	0	---	---	25
26	---	0.134	0.004B	0	0.005	0	0.008	0	0	0	---	---	26
27	---	0.118	0.007B	0	0.005	0	0.005	0	0	0	---	---	27
28	---	0.055	0.011B	0	0.004	0	0.004	0	0	0	---	---	28
29	---		0.016B	0	0.004	0	0.001	0	0	0	---	---	29
30	---		0.015	0.021	0.004	0	0	0	0	0	---	---	30
31	---		0.013		0.004		0	0		0		---	31
TOTAL	---	0.306	0.853	0.081	0.231	0.055	---	0	0	0	---	---	TOTAL
MEAN	---	0.011	0.021	0.002	0.007	0.002	---	0	0	0	---	---	MEAN
MAX	---	0.134	0.144	0.021	0.018	0.005	---	0	0	0	---	---	MAX
MIN	---	0	0	0	0	0	---	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MINIMUM DAILY, 0 ON MAR 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 39 41 N
LONG 105 22 50 W
DRAINAGE AREA, 344 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	28.4	AUG	0
MAR	88.4	SEP	0
APR	8.27	OCT	0
MAY	20.0	NOV	---
JUN	4.75	DEC	---

REMARKS - THE MAXIMUM INSTANTANEOUS DISCHARGE OCCURRED ON JULY 21, 1983

ANTLER RIVER NEAR WAUCHOPE - STATION NO 05NF010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	08	0 B	0.055	0	0	0	0	0	---	---	1
2	---	---	08	0 B	0.040	0	0	0	0	0	---	---	2
3	---	---	08	0 B	0.028	0	0	0	0	0	---	---	3
4	---	---	08	0 B	0.020	0	0	0	0	0	---	---	4
5	---	---	08	0 B	0.015	0	0	0	0	0	---	---	5
6	---	---	08	0 B	0.017	0	0	0	0	0	---	---	6
7	---	---	08	0 B	0.038	0	0	0	0	0	---	---	7
8	---	---	08	0 B	0.011	0	0	0	0	0	---	---	8
9	---	---	08	0.0048	0.006	0	0	0	0	0	---	---	9
10	---	---	08	0.0028	0.003	0	0.004	0	0	0	---	---	10
11	---	---	08	0.0048	0	0	0	0	0	0	---	---	11
12	---	---	08	0.0228	0.001	0	0	0	0	0	---	---	12
13	---	---	08	0.0108	0.005	0	0	0	0	0	---	---	13
14	---	---	08	0.0288	0.006	0	0	0	0	0	---	---	14
15	---	---	08	0.0088	0.010	0	0	0	0	0	---	---	15
16	---	---	08	0.0018	0.010	0	0	0	0	0	---	---	16
17	---	---	08	0.4088	0.011	0	0	0	0	0	---	---	17
18	---	---	08	1.45 B	0.010	0	0	0	0	0	---	---	18
19	---	---	08	3.05 B	0.009	0	0	0	0	0	---	---	19
20	---	---	08	5.10 B	0.010	0	0	0	0	0	---	---	20
21	---	---	08	7.11	0.012	0	0	0	0	0	---	---	21
22	---	---	08	5.40	0.011	0	0	0	0	0	---	---	22
23	---	---	08	3.48	0.008	0	0	0	0	0	---	---	23
24	---	---	08	2.19	0.006	0	0	0	0	0	---	---	24
25	---	---	08	1.34	0.003	0	0	0	0	0	---	---	25
26	---	---	08	0.774	0.001	0	0	0	0	0	---	---	26
27	---	---	08	0.441	0	0	0	0	0	0	---	---	27
28	---	---	08	0.267	0	0	0	0	0	0	---	---	28
29	---		08	0.181	0.001	0	0	0	0	0	---	---	29
30	---		08	0.075	0.002	0	0	0	0	0	---	---	30
31	---		08		0		0	0		0		---	31
TOTAL	---	---	0	31.335	0.348	0	0.004	0	0	0	---	---	TOTAL
MEAN	---	---	0	1.04	0.011	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	7.11	0.055	0	0.004	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.139
MAXIMUM DAILY, 7.11 ON APR 21
MINIMUM DAILY, 0.0 ON MAR 1
MAXIMUM INSTANTANEOUS,
7.68 AT 01:00 CST ON APR 21

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 35 02 N
LONG 101 50 52 W
DRAINAGE AREA, 349 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.35
FEB	---	AUG	0
MAR	0	SEP	0
APR	2 710	OCT	0
MAY	30.1	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 2 740 dam³

ARCOLA INDEX RESERVOIR - STATION NO 05NC005

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	29.426E	29.426E	29.835	29.797	29.645	29.426	29.191	29.066	28.988	---	1
2	---	---	29.426E	29.426E	29.834	29.792	29.664	29.420	29.180	29.067	28.993	---	2
3	---	---	29.426E	29.426E	29.832	29.788	29.661	29.413	29.188	29.068	28.993	---	3
4	---	---	29.426E	29.426E	29.827	29.781	29.664	29.403	29.161	29.068	28.996	---	4
5	---	---	29.426E	29.426E	29.823	29.774	29.647	29.390	29.154	29.066	28.997	---	5
6	---	---	29.426E	29.426A	29.819	29.768	29.641	29.379	29.148	29.062	28.994	---	6
7	---	---	29.426E	29.450E	29.815	29.761	29.635	29.368	29.141	29.062	28.994	---	7
8	---	---	29.426E	29.500E	29.810	29.758	29.625	29.357	29.133	29.060	28.989	---	8
9	---	---	29.426E	29.550E	29.816	29.749	29.622	29.352	29.139	29.057	28.988A	---	9
10	---	---	29.426E	29.585	29.817	29.743	29.623	29.345	29.140	29.055	---	---	10
11	---	---	29.426E	29.784	29.814	29.735	29.614	29.334	29.135	29.055	---	---	11
12	---	---	29.426E	29.768	29.826	29.729	29.606	29.323	29.128	29.051	---	---	12
13	---	---	29.426E	29.766	29.836	29.722	29.598	29.311	29.126	29.048	---	---	13
14	---	---	29.426E	29.767	29.839	29.716	29.589	29.301	29.122	29.045	---	---	14
15	---	---	29.426E	29.787	29.839	29.708	29.577	29.291	29.134	29.042	---	---	15
16	---	---	29.426E	29.787	29.839	29.702	29.586	29.281	29.131	29.038	---	---	16
17	---	---	29.426E	29.787	29.839	29.694	29.586	29.273	29.127	29.034	---	---	17
18	---	---	29.426E	29.786	29.842	29.686	29.590	29.261	29.119	29.029	---	---	18
19	---	---	29.426E	29.784	29.846	29.686	29.644	29.249	29.111	29.024	---	---	19
20	---	---	29.426E	29.815	29.844	29.683	29.637	29.242	29.105	29.023	---	---	20
21	---	---	29.426E	29.830	29.843	29.679	29.633	29.237	29.101	29.021	---	---	21
22	---	---	29.426E	29.837	29.839	29.680	29.623	29.230	29.093	29.018	---	---	22
23	---	---	29.426E	29.841	29.836	29.686	29.613	29.225	29.089	29.016	---	---	23
24	---	---	29.426E	29.843	29.831	29.691	29.603	29.222	29.085	29.012	---	---	24
25	---	---	29.426E	29.845	29.828	29.695	29.596	29.214	29.079	29.007	---	---	25
26	---	---	29.426E	29.845	29.821	29.686	29.586	29.208	29.075	29.003	---	---	26
27	---	---	29.426E	29.844	29.814	29.658	29.477	29.212	29.089	29.001	---	---	27
28	---	29.426A	29.426E	29.842	29.809	29.650	29.484	29.204	29.087	28.997	---	---	28
29	---		29.426E	29.840	29.806	29.648	29.485	29.211	29.089	28.993	---	---	29
30	---		29.426E	29.837	29.804	29.648	29.445	29.204	29.085	28.990	---	---	30
31	---		29.426E		29.801		29.436	29.197		28.988		---	31
MEAN	---	---	29.426	29.808	29.825	29.715	29.584	29.283	29.120	29.035	---	---	MEAN
MAX	---	---	29.426	29.845	29.846	29.797	29.661	29.426	29.191	29.068	---	---	MAX
MIN	---	---	29.426	29.426	29.796	29.648	29.436	29.197	29.079	28.988	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 29.846 ON MAY 19

MAXIMUM INSTANTANEOUS,
29.848 AT 17:32 CST ON MAY 18

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 42 08 N
LONG 102 34 05 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

ARM RIVER NEAR BETHUNE - STATION NO. 05JM001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0308	2.20 B	0.222	0.048	0.085	0.250	0.001	0.001	---	---	1
2	---	---	0.0278	2.40 B	0.223	0.051	0.054	0.209	0.001	0.001	---	---	2
3	---	---	0.0288	2.60 B	0.218	0.059	0.051	0.176	0.001	0.001	---	---	3
4	---	---	0.0288	2.78 B	0.218	0.053	0.035	0.140	0.001	0.001	---	---	4
5	---	---	0.0338	3.77 B	0.205	0.048	0.029	0.117	0.001	0.001	---	---	5
6	---	---	0.0388	3.78 B	0.149	0.035	0.028	0.107	0.001	0.001	---	---	6
7	---	---	0.0378	3.58 B	0.108	0.026	0.028	0.093	0.001	0.001	---	---	7
8	---	---	0.0358	3.18 B	0.083	0.019	0.018	0.078	0.001	0.001	---	---	8
9	---	---	0.0358	2.18 B	0.073	0.015	0.127	0.068	0.001	0.001	---	---	9
10	---	---	0.0358	2.04 B	0.133	0.009	0.319	0.054	0.001	0.001	---	---	10
11	---	---	0.0898	1.76 B	0.203	0.003	0.889	0.041	0.001	0.001	---	---	11
12	---	---	0.2128	0.8988	0.183	0.007	0.873	0.056	0.001	0.001	---	---	12
13	---	---	0.2748	0.4708	0.172	0.008	1.41	0.056	0.001	0.001	---	---	13
14	---	---	0.1788	0.2878	0.224	0.004	1.41	0.038	0.001	0.001	---	---	14
15	---	---	0.2048	0.2008	0.177	0.004	1.28	0.028	0.005	0.001	---	---	15
16	---	0.0108	0.2858	0.1708	0.142	0.003	1.03	0.018	0.018	0.001	---	---	16
17	---	0.0108	0.2778	0.1538	0.121	0.002	0.784	0.011	0.088	0.001	---	---	17
18	---	0.0108	0.3138	0.143	0.107	0.001	0.588	0.007	0.044	0.001	---	---	18
19	---	0.0108	0.3428	0.138	0.088	0.002	0.459	0.003	0.027	0.001	---	---	19
20	---	0.0108	0.4708	0.125	0.085	0.001	0.480	0.001	0.022	0.001	---	---	20
21	---	0.0208	0.3588	0.123	0.087	0.001	1.77	0.001	0.009	0.002	---	---	21
22	---	0.0308	0.1628	0.112	0.080	0.008	1.11	0.001	0.002	0.004	---	---	22
23	---	0.0208	0.0828	0.104	0.078	0.046	0.853	0.001	0.001	0.009	---	---	23
24	---	0.0228	0.0558	0.086	0.082	0.083	0.262	0.001	0.001	0.020	---	---	24
25	---	0.0258	0.0588	0.095	0.055	0.106	0.197	0.001	0.001	0.023	---	---	25
26	---	0.0418	0.0508	0.095	0.082	0.042	0.153	0.001	0.001	0.022	---	---	26
27	---	0.0488	0.0408	0.095	0.070	0.024	0.116	0.001	0.001	0.021	---	---	27
28	---	0.0458	0.0378	0.105	0.081	0.018	0.093	0.001	0.001	0.019	---	---	28
29	---		0.2118	0.202	0.088	0.016	0.084	0.001	0.001	0.018	---	---	29
30	---		0.5228	0.223	0.085	0.059	0.188	0.001	0.001	0.016	---	---	30
31	---		1.73 B		0.080		0.243	0.001		0.017A		---	31
TOTAL	---	---	8.269	34.114	3.892	0.778	14.472	1.581	0.217	0.189	---	---	TOTAL
MEAN	---	---	0.202	1.14	0.126	0.026	0.467	0.050	0.007	0.006	---	---	MEAN
MAX	---	---	1.73	3.78	0.224	0.105	1.77	0.250	0.088	0.023	---	---	MAX
MIN	---	---	0.028	0.086	0.055	0.001	0.018	0.001	0.001	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.251
MAXIMUM DAILY, 3.780 ON APR 5
MINIMUM DAILY, 0.001 ON JUN 18
MAXIMUM INSTANTANEOUS,
4.950 AT 21:00 CST ON APR 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 44 12 N
LONG 105 11 28 W
DRAINAGE AREA, 1 910 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 250
FEB	---	AUG	135
MAR	542	SEP	18.7
APR	2 950	OCT	15.3
MAY	336	NOV	---
JUN	87.3	DEC	---

TOTAL DISCHARGE, 5 320 dam³

ASSINIBOINE RIVER AT KAMSACK - STATION NO. 05MD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.2038	0.1658	0.2808	0.5578	105	11.4	13.5	5.45	0.867	0.109	0.207	0.8878	1
2	0.1928	0.1648	0.3348	0.5008	90.7	10.5	12.2	5.11	0.678	0.122	0.181	0.8748	2
3	0.1858	0.2058	0.3428	0.4748	81.3	9.88	11.4	5.57	0.627	0.138	0.182	0.8758	3
4	0.2388	0.2728	0.3468	0.4748	72.8	8.83	11.4	5.21	0.451	0.134	0.251	0.8648	4
5	0.2798	0.2798	0.3408	0.4628	64.3	9.77	12.3	4.80	0.383	0.125	0.880	0.8108	5
6	0.2558	0.2788	0.3358	0.4848	55.5	9.74	13.4	4.72	0.380	0.118	0.410	0.7788	6
7	0.2568	0.2838	0.3348	0.4808	47.4	9.83	14.8	4.65	0.349	0.120	0.255	0.7858	7
8	0.2628	0.2848	0.3288	0.5108	40.4	9.16	15.2	4.32	0.344	0.121	0.187	0.7318	8
9	0.2658	0.2978	0.2948	0.5808	35.1	8.85	15.1	3.96	0.296	0.106	0.185	0.7178	9
10	0.2558	0.3088	0.3168	0.6008	31.4	8.20	18.4	3.87	0.319	0.175	0.189	0.7238	10
11	0.2478	0.3148	0.3178	0.6008	28.5	7.72	21.3	3.44	0.280	0.203	0.188	0.7858	11
12	0.2518	0.3188	0.3088	0.5808	26.4	7.80	17.3	3.19	0.263	0.174	0.246	0.7348	12
13	0.2528	0.3128	0.2978	0.5908	24.7	7.50	13.6	2.88	0.283	0.181	0.294	0.7188	13
14	0.2528	0.3158	0.2878	0.6208	22.5	7.68	11.5	2.57	0.276	0.119	0.413	0.8958	14
15	0.2488	0.3158	0.2658	0.7088	21.8	7.85	10.5	2.38	0.272	0.088	0.488	0.8888	15
16	0.2538	0.3148	0.2618	0.7248	22.0	7.31	10.3	2.19	0.262	0.102	0.581	0.8418	16
17	0.2428	0.3038	0.2588	0.7618	23.2	7.15	10.5	1.98	0.216	0.150	0.808	0.8028	17
18	0.2388	0.3118	0.2578	0.8628	24.8	7.87	10.0	1.95	0.204	0.188	0.636	0.5798	18
19	0.2488	0.3158	0.2338	2.39 B	25.9	7.38	9.57	1.89	0.139	0.213	0.647	0.5978	19
20	0.2868	0.3158	0.2308	11.3 B	26.6	7.03	9.09	1.83	0.144	0.228	0.675	0.529[illegible]	20
21	0.2678	0.3258	0.2228	17.5 B	25.9	6.39	8.96	1.78	0.154	0.250	0.8678	0.5328	21
22	0.2488	0.3278	0.2028	24.6 B	26.3	6.11	8.83	1.69	0.126	0.262	1.01 B	0.4878	22
23	0.2728	0.3228	0.1158	31.0 B	25.2	5.79	8.62	1.48	0.103	0.372	0.9828	0.3938	23
24	0.2708	0.2808	0.1488	46.0 B	23.1	5.32	8.53	1.34	0.093	0.321	0.9688	0.3878	24
25	0.2808	0.2858	0.2628	85.9 B	21.7	5.78	8.25	1.20	0.104	0.254	1.11 B	0.4388	25
26	0.2558	0.2578	0.2888	83.9 B	20.0	7.19	8.08	1.08	0.111	0.194	1.08 B	0.4158	26
27	0.2618	0.2488	0.3038	105	19.3	5.32	7.85	0.880	0.107	0.211	1.05 B	0.4428	27
28	0.2588	0.2478	0.3328	119	18.8	4.86	7.87	0.771	0.114	0.211	1.04 B	0.4298	28
29	0.1988		0.3708	127	15.0	11.5	7.74	0.638	0.102	0.187	1.02 B	0.4118	29
30	0.1858		0.4308	122	13.4	14.5	7.84	0.585	0.098	0.182	0.9818	0.4158	30
31	0.1628		0.5588		12.5		7.00	0.588		0.188		0.4088	31
TOTAL	7.530	7.987	9.188	766.236	1 087.7	245.12	350.74	85.710	7.822	5.588	17.577	19.248	TOTAL
MEAN	0.243	0.285	0.296	25.5	35.1	8.17	11.3	2.76	0.254	0.180	0.586	0.621	MEAN
MAX	0.276	0.327	0.556	127	105	14.5	21.3	5.45	0.578	0.372	1.11	0.887	MAX
MIN	0.162	0.184	0.115	0.462	12.5	4.86	7.00	0.585	0.093	0.098	0.181	0.387	MIN

SUMMARY FOR THE YEAR 1983

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.15
MAXIMUM DAILY, 127 ON APR 29
MINIMUM DAILY, 0.093 ON SEP 24
MAXIMUM INSTANTANEOUS,
127 AT 17:33 CST ON APR 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 33 53 N
LONG 101 54 58 W
DRAINAGE AREA, 12 900 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	651	JUL	30 300
FEB	686	AUG	7 410
MAR	794	SEP	859
APR	85 200	OCT	681
MAY	94 000	NOV	1 520
JUN	21 200	DEC	1 680

TOTAL DISCHARGE, 226 000 dam³

ASSINIBOINE RIVER AT STURGIS - STATION NO. 05MC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0528	0.0618	14.2	2.28	0.927	1.24	0.125	0.015	0.123	---	1
2	---	---	0.0518	0.0638	12.1	2.28	0.891	1.36	0.117	0.019	0.126A	---	2
3	---	---	0.0528	0.0648	10.6	2.86	1.06	1.29	0.110	0.022	---	---	3
4	---	---	0.0518	0.0688	9.46	2.76	1.11	1.13	0.105	0.025	---	---	4
5	---	---	0.0518	0.0588	8.33	2.62	1.06	1.02	0.099	0.028	---	---	5
6	---	---	0.0518	0.0708	7.36	2.38	1.18	0.884	0.092	0.031	---	---	6
7	---	---	0.0518	0.0708	6.41	2.38	1.18	0.750	0.083	0.033	---	---	7
8	---	---	0.0518	0.0718	5.60	2.36	1.01	0.581	0.073	0.036	---	---	8
9	---	---	0.0508	0.0728	5.14	2.20	0.984	0.458	0.067	0.039	---	---	9
10	---	---	0.0498	0.0738	5.62	2.07	1.05	0.444	0.067	0.044	---	---	10
11	---	---	0.0488	0.0728	5.25	2.06	1.18	0.384	0.062	0.048	---	---	11
12	---	---	0.0498	0.0728	5.06	2.15	1.45	0.482	0.058	0.052	---	---	12
13	---	---	0.0488	0.0718	5.26	2.35	1.92	1.06	0.048	0.055	---	---	13
14	---	---	0.0488	0.0718	5.59	2.69	1.90	0.923	0.039	0.058	---	---	14
15	---	---	0.0478	0.0778	5.54	3.43	1.88	0.787	0.029	0.061	---	---	15
16	---	---	0.0488	0.0888	5.41	3.56	1.95	0.772	0.022	0.065	---	---	16
17	---	---	0.0488	0.1018	5.41	3.47	1.83	0.885	0.015	0.068	---	---	17
18	---	---	0.0468	0.1158	5.29	3.15	2.02	0.844	0.014	0.071	---	---	18
19	---	---	0.0488	0.1888	5.50	3.32	2.05	0.583	0.017	0.074	---	---	19
20	---	---	0.0458	0.5538	5.35	2.89	1.87	0.388	0.018	0.079	---	---	20
21	---	---	0.0448	1.40 B	5.20	2.51	1.62	0.194	0.019	0.084	---	---	21
22	---	---	0.0448	3.89 B	5.45	2.21	1.77	0.159	0.016	0.090	---	---	22
23	---	0.0538	0.0458	11.1 B	5.27	2.09	1.73	0.153	0.014	0.094	---	---	23
24	---	0.0538	0.0478	32.3 B	4.87	2.13	1.61	0.143	0.011	0.098	---	---	24
25	---	0.0538	0.0488	42.1	4.30	2.17	1.38	0.148	0.009	0.103	---	---	25
26	---	0.0538	0.0508	36.5	4.01	1.82	1.82	0.149	0.008	0.107	---	---	26
27	---	0.0538	0.0528	29.1	3.53	1.85	1.76	0.159	0.006	0.113	---	---	27
28	---	0.0538	0.0548	23.4	3.04	1.44	1.66	0.153	0.007	0.389	---	---	28
29	---		0.0568	18.2	2.74	1.20	1.39	0.158	0.008	0.420	---	---	29
30	---		0.0578	16.2	2.47	1.10	1.36	0.188	0.012	0.131	---	---	30
31	---		0.0608		2.38		1.29	0.154		0.121		---	31
TOTAL	---	---	1.537	217.357	181.84	71.79	46.212	17.551	1.386	2.883	---	---	TOTAL
MEAN	---	---	0.050	7.24	5.87	2.39	1.49	0.566	0.046	0.086	---	---	MEAN
MAX	---	---	0.060	42.1	14.2	3.56	2.05	1.36	0.126	0.420	---	---	MAX
MIN	---	---	0.044	0.061	2.38	1.10	0.891	0.143	0.008	0.015	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.20
MAXIMUM DAILY, 42.1 ON APR 25
MINIMUM DAILY, 0.006 ON SEP 26
MAXIMUM INSTANTANEOUS,
45.2 AT 04:56 CST ON APR 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 56 23 N
LONG 102 32 49 W
DRAINAGE AREA, 1 830 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 980
FEB	---	AUG	1 520
MAR	133	SEP	118
APR	18 800	OCT	229
MAY	15 700	NOV	---
JUN	6 200	DEC	---

TOTAL DISCHARGE, 46 700 dam³

AVONLEA CREEK NEAR ROULEAU - STATION NO. 05JE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.350B	2.50 B	0.581	0.112	0.264	0.180	0	0	0	---	1
2	---	0 B	0.300B	5.00 B	0.480	0.116	0.117	0.156	0	0	0	---	2
3	---	0 B	0.375B	7.50 B	0.383	0.080	0.068	0.140	0	0	---	---	3
4	---	0 B	0.250B	12.5 B	0.234	0.005	0.011	0.054	0	0	---	---	4
5	---	0 B	0.225B	16.5	0.171	0.011	0	0	0	0	---	---	5
6	---	0 B	0.210B	18.0	0.134	0.153	0	0	0	0	---	---	6
7	---	0 B	0.200B	18.4	0.096	0.019	0.105	0	0	0	---	---	7
8	---	0 B	0.200B	17.7	0.102	0.065	0.142	0	0	0	---	---	8
9	---	0 B	0.250B	17.8	0.033	0.135	0.124	0	0	0	---	---	9
10	---	0 B	0.400B	18.6	0.049	0.109	0.254	0	0	0	---	---	10
11	---	0 B	0.600B	18.9	0.057	0.078	0.324	0	0	0	---	---	11
12	---	0 B	0.700B	16.9	0.131	0.134	0.107	0	0	0	---	---	12
13	---	0.010B	0.800B	12.7	0.380	0.039	0.056	0	0	0	---	---	13
14	---	0.050B	0.450B	8.22	0.851	0.008	0.006	0	0	0	---	---	14
15	---	0.138B	0.350B	5.89	0.631	0.053	0	0.021	0	0	---	---	15
16	---	0.250B	0.320B	4.81	0.780	0.036	0.045	0.018	0	0	---	---	16
17	---	0.350B	0.300B	3.81	1.31	0	0.102	0	0	0	---	---	17
18	---	0.275B	0.285B	3.02	2.21	0	0.130	0.008	0	0	---	---	18
19	---	0.275B	0.270B	2.32	3.08	0	0.001	0	0	0	---	---	19
20	---	0.300B	0.260B	1.87	2.95	0.006	0.013	0	0	0	---	---	20
21	---	0.325B	0.250B	1.53	2.46	0.084	0.128	0	0	0	---	---	21
22	---	0.350B	0.250B	1.38	1.95	0.120	0.058	0	0	0	---	---	22
23	---	0.380B	0.270B	1.44	1.84	0.122	0.048	0	0	0	---	---	23
24	---	0.380B	0.300B	1.42	1.20	0.068	0.026	0	0	0	---	---	24
25	---	0.400B	0.280B	1.24	1.03	0.079	0	0	0	0	---	---	25
26	---	0.450B	0.280B	0.982	0.882	0.119	0	0	0	0	---	---	26
27	---	0.440B	0.300B	0.882	0.826	0.135	0	0	0	0	---	---	27
28	---	0.420B	0.350B	0.807	0.486	0.109	0.019	0	0	0	---	---	28
29	---		0.420B	0.718	0.311	0.182	0.048	0	0	0	---	---	29
30	---		0.500B	0.641	0.237	0.287	0.081	0	0	0	---	---	30
31	---		1.00 B		0.188		0.111	0		0		---	31
TOTAL	---	4.880	11.305	224.088	28.179	2.445	2.385	0.580	0	0	---	---	TOTAL
MEAN	---	0.188	0.385	7.47	0.812	0.082	0.076	0.018	0	0	---	---	MEAN
MAX	---	0.450	1.00	18.9	3.08	0.287	0.324	0.180	0	0	---	---	MAX
MIN	---	0	0.200	0.641	0.033	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.05
MAXIMUM DAILY, 18.9 ON APR 11
MINIMUM DAILY, 0 ON JUN 17
MAXIMUM INSTANTANEOUS,
19.2 AT 21:23 CST ON APR 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 02 50 N
LONG 104 58 27 W
DRAINAGE AREA, 983 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	204
FEB	483	AUG	50.1
MAR	977	SEP	0
APR	19 400	OCT	0
MAY	2 180	NOV	---
JUN	211	DEC	---

TOTAL DISCHARGE, 23 000 dam³

REMARKS - SOME RUNOFF OCCURRED IN FEBRUARY, OUTSIDE THE STANDARD PERIOD

AVONLEA INDEX RESERVOIR - STATION NO. 05JE010

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	28.123	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	27.188	---	2
3	---	---	---	---	28.182	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	27.287	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	27.925	---	---	---	---	---	12
13	---	---	---	28.289	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	27.552	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	---	---	---	---	---	---	---	---	29
30	---		---	---	---	---	---	---	---	---	---	---	30
31	---		---		---		---	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 55 50 N
LONG 105 05 30 W

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

AVONLEA RESERVOIR NEAR AVONLEA - STATION NO 05JE007

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	597.149	597.185	597.554	598.151	597.642	597.548	597.252	596.998	596.717	596.845	596.596	596.572	1
2	597.151	597.184	597.588	598.214	597.636	597.541	597.243	596.963	596.700	596.844	596.598	596.574	2
3	597.153	597.184	597.609	598.152	597.613	597.532	597.238	596.958	596.686	596.842	596.599	596.574	3
4	597.152	597.183	597.620	598.146	597.603	597.531	597.232	596.949	596.685	596.842	596.598	596.573	4
5	597.151	597.183	597.620	598.186	597.591	597.529	597.232	596.934	596.669	596.836	596.594	596.571	5
6	597.154	597.185	597.611	598.182	597.578	597.528	597.223	596.923	596.656	596.837	596.594	596.570	6
7	597.155	597.186	597.601	598.177	597.568	597.517	597.215	596.911	596.663	596.838	596.596	596.570	7
8	597.159	597.186	597.594	598.163	597.558	597.510	597.210	596.898	596.654	596.838	596.588	596.568	8
9	597.158	597.188	597.585	598.171	597.557	597.501	597.190	596.891	596.659	596.839	596.590	596.567	9
10	597.155	597.186	597.578	598.183	597.565	597.488	597.185	596.881	596.664	596.833	596.587	596.567	10
11	597.149	597.158	597.595	598.180	597.563	597.472	597.200	596.873	596.669	596.823	596.590	596.567	11
12	597.155	597.162	597.662	598.083	597.578	597.461	597.198	596.852	596.671	596.831	596.588	596.567	12
13	597.154	597.180	597.710	597.970	597.604	597.446	597.198	596.840	596.669	596.831	596.585	596.566	13
14	597.151	597.185	597.736	597.885	597.612	597.433	597.187	596.827	596.678	596.830	596.583	596.566	14
15	597.153	597.178	597.741	597.814	597.614	597.431	597.193	596.805	596.687	596.826	596.582	596.565	15
16	597.152	597.208	597.715	597.784	597.638	597.430	597.180	596.798	596.690	596.817	596.583	596.566	16
17	597.150	597.231	597.668	597.755	597.684	597.423	597.185	596.788	596.671	596.821	596.582	596.565	17
18	597.150	597.241	597.655	597.738	597.738	597.414	597.184	596.778	596.681	596.821	596.580	596.563	18
19	597.151	597.247	597.643	597.715	597.748	597.403	597.148	596.768	596.656	596.817	596.578	596.562	19
20	597.151	597.260	597.622	597.698	597.737	597.391	597.149	596.764	596.653	596.813	596.576	596.562	20
21	597.153	597.268	597.608	597.685	597.705	597.373	597.138	596.783	596.658	596.811	596.573	596.562	21
22	597.154	597.277	597.594	597.668	597.681	597.360	597.118	596.782	596.658	596.813	596.574	596.558	22
23	597.156	597.287	597.588	597.664	597.660	597.354	597.107	596.762	596.668	596.811	596.574	596.557E	23
24	597.155	597.331	597.578	597.655	597.641	597.348	597.089	596.745	596.655	596.808	596.575	596.557E	24
25	597.155	597.350	597.574	597.654	597.631	597.328	597.091	596.741	596.654	596.808	596.575	596.556E	25
26	597.154	597.378	597.589	597.659	597.610	597.314	597.077	596.739	596.655	596.807	596.575	596.555E	26
27	597.156	597.485	597.585	597.656	597.594	597.303	597.087	596.735	596.650	596.804	596.574	596.555E	27
28	597.156	597.514	597.586	597.648	597.579	597.287	597.084	596.732	596.640	596.801	596.574	596.554E	28
29	597.156		597.573	597.647	597.588	597.276	597.042	596.730	596.641	596.800	596.574	596.553E	29
30	597.156		597.703	597.647	597.585	597.262	597.026	596.727	596.641	596.801	596.574	596.553E	30
31	597.156		598.061		597.550		597.014	596.721		596.800		596.552E	31
MEAN	597.154	597.230	597.636	597.800	597.619	597.424	597.156	596.824	596.686	596.822	596.583	596.564	MEAN
MAX	597.159	597.514	598.061	598.214	597.748	597.549	597.252	596.998	596.717	596.845	596.599	596.574	MAX
MIN	597.149	597.183	597.554	597.647	597.550	597.262	597.014	596.721	596.640	596.800	596.573	596.552	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MEAN, 597.116
MAXIMUM DAILY, 598.214 ON APR 2
MINIMUM DAILY, 596.552E ON DEC 31
MAXIMUM INSTANTANEOUS,
598.237 AT 03:06 CST ON APR 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 59 10 N
LONG 105 00 23 W

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

BALLANTYNE RIVER ABOVE BALLANTYNE BAY - STATION NO. 08KF001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.250	1.670	2.180	2.200	21.6	19.8	31.5	9.36	3.40	19.6	8.05	4.050	1
2	2.180	1.880	2.080	2.230	22.0	23.7	33.7	8.73	3.44	18.2	7.76	3.890	2
3	2.190	1.850	2.030	2.250	24.0	44.5	31.4	8.24	3.81	17.0	8.06	3.500	3
4	2.130	1.860	2.050	2.200	24.0	74.3	26.1	7.74	3.95	16.2	8.82	3.530	4
5	2.070	1.530	2.160	2.160	23.3	76.8	26.0	7.22	4.35	15.7	8.43	3.420	5
6	2.080	1.410	2.300	2.240	22.2	66.4	23.8	6.95	5.60	14.9	8.34	3.290	6
7	2.060	1.380	2.180	2.280	21.4	57.0	21.4	6.66	5.99	14.1	8.44	3.190	7
8	2.170	1.340	2.080	2.220	21.4	46.7	19.6	6.60	5.81	13.6	8.52	3.120	8
9	2.260	1.340	2.140	2.190	22.6	43.6	18.3	6.28	5.54	13.3	8.20	3.080	9
10	2.410	1.350	2.190	1.910	22.1	36.2	17.3	6.86	6.86	13.0	8.090	2.985	10
11	2.500	1.410	2.120	1.780	18.1	33.6	17.5	6.67	7.11	12.7	7.350	2.890	11
12	2.400	1.510	2.120	1.640	22.4	31.2	17.1	6.48	7.18	12.3	7.090	2.820	12
13	2.200	1.820	2.340	2.270	26.7	32.1	16.8	6.32	6.87	12.0	6.210	2.770	13
14	2.050	1.730	2.320	2.340	30.8A	31.6	16.0	6.12	6.52	11.8	7.890	2.740	14
15	1.980	1.640	2.480	1.840	29.3	30.5	15.6	6.88	6.11	11.2	7.880	2.780	15
16	1.970	1.820	2.580	1.700	28.0A	28.5	15.4	6.75	5.87	11.2	7.280	2.780	16
17	1.870	1.980	2.500	1.720	28.2A	26.2	16.1	6.68	6.20	11.0	7.310	2.740	17
18	1.820	2.070	2.350	1.970	27.0A	23.7	16.6	6.60	12.0	9.94	7.010	2.630	18
19	1.730	2.000	2.120	2.750	26.1A	21.2	16.2	6.73	23.8	9.81	6.890	2.220	19
20	1.740	1.880	2.070	5.140	26.4A	19.1	13.0	6.86	35.0	10.6	6.430	1.930	20
21	1.780	1.840	2.030	11.9 B	24.1	17.8	13.7	6.83	43.9	9.96	6.240	1.880	21
22	1.870	1.870	1.990	25.3 B	20.8A	17.1	17.2	6.39	46.2	9.86	6.310	1.670	22
23	2.010	1.880	1.950	26.5 B	20.3A	16.7	17.1	6.20	46.2	9.86	6.080	1.350	23
24	2.070	1.950	1.930	26.6 B	20.8A	15.7	16.0	6.06	42.4	9.67	5.930	1.250	24
25	2.080	2.000	1.920	28.4 B	21.4A	17.9	14.7	5.94	37.8	9.15	5.870	1.280	25
26	1.990	2.110	1.880	27.2	20.8A	20.8	13.7	5.83	33.1	9.00	5.390	1.480	26
27	1.880	2.150	2.060	22.6	20.8A	25.8	12.6	5.78	28.4	8.77	4.800	1.430	27
28	1.850	2.210	2.120	20.0	25.7	34.8	11.5	5.88	26.1	8.63	4.830	1.510	28
29	1.840		2.230	19.0	24.2	31.0	10.9	5.97	23.5	8.29	4.510	1.930	29
30	1.850		2.280	19.9	22.3	26.7	10.5	5.51	21.2	7.97	4.480	2.480	30
31	1.880		2.340		20.6		10.1	5.45		8.03		2.580	31
TOTAL	63.12	49.61	67.07	275.83	622.9	1 017.7	550.2	188.41	519.01	386.14	209.39	78.80	TOTAL
MEAN	2.04	1.77	2.16	8.19	20.8	33.9	17.9	6.37	17.3	11.8	8.96	2.54	MEAN
MAX	2.50	2.21	2.58	28.4	30.8	76.8	33.7	8.36	46.2	19.6	8.82	4.05	MAX
MIN	1.73	1.34	1.92	1.70	18.1	15.7	10.1	5.45	3.40	7.97	4.48	1.25	MIN

SUMMARY FOR THE YEAR 1983

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 11.5
MAXIMUM DAILY, 76.8 ON JUN 5
MINIMUM DAILY, 1.250 ON DEC 24
MAXIMUM INSTANTANEOUS,
80.7 AT 21:48 CST ON JUN 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 64 33 40 N
LONG 103 56 30 W
DRAINAGE AREA, 1 860 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	5 450	JUL	48 100
FEB	4 290	AUG	16 400
MAR	5 790	SEP	44 800
APR	23 800	OCT	31 900
MAY	71 200	NOV	18 100
JUN	87 900	DEC	6 810

TOTAL DISCHARGE, 382 000 dam³

BARRIER RIVER BELOW BARRIER LAKE - STATION NO 05LA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.1808	0.0708	4.02	0.880	0.439	0.490	0.027	0.018	---	---	1
2	---	---	0.1788	0.0728	3.95	0.895	0.462	0.423	0.025	0.018	---	---	2
3	---	---	0.1788	0.0758	3.87	0.980	0.561	0.255	0.059	0.017	---	---	3
4	---	---	0.1748	0.0808	3.68	0.882	0.685	0.338	0.031	0.021	---	---	4
5	---	---	0.1728	0.0808	3.44	0.817	0.688	0.299	0.021	0.033	---	---	5
6	---	---	0.1708	0.1008	3.26	0.734	0.773	0.252	0.039	0.042	---	---	6
7	---	---	0.1688	0.1108	2.97	0.702	0.737	0.235	0.030	0.044	---	---	7
8	---	---	0.1688	0.1258	2.76	0.851	0.686	0.188	0.022	0.039	---	---	8
9	---	---	0.1688	0.1408	2.90	0.864	0.714	0.149	0.044	0.031	---	---	9
10	---	---	0.1638	0.1808	3.18	0.432	0.882	0.112	0.072	0.039	---	---	10
11	---	---	0.1508	0.1758	2.98	0.388	1.23	0.135	0.081	0.034	---	---	11
12	---	---	0.1408	0.1888	2.69	0.490	1.12	0.095	0.074	0.040	---	---	12
13	---	---	0.1308	0.2068	2.78	0.462	1.17	0.158	0.080	0.037	---	---	13
14	---	---	0.1208	0.2218	2.54	0.450	1.08	0.187	0.078	0.032	---	---	14
15	---	---	0.1158	0.2358	2.47	0.400	1.15	0.200	0.075	0.038	---	---	15
16	---	---	0.1108	0.2448	2.33	0.326	1.11	0.207	0.077	0.027	---	---	16
17	---	---	0.1058	0.2528	2.25	0.256	1.08	0.242	0.086	0.026	---	---	17
18	---	---	0.1008	0.2608	2.17	0.192	1.03	0.282	0.151	0.036	---	---	18
19	---	---	0.0958	0.2678	2.01	0.243	1.30	0.320	0.139	0.025	---	---	19
20	---	---	0.0908	0.3208	1.94	0.218	1.11	0.292	0.118	0.024	---	---	20
21	---	---	0.0858	0.4508	1.91	0.180	1.15	0.295	0.097	0.030	---	---	21
22	---	---	0.0808	1.22 B	1.82	0.107	1.13	0.217	0.082	0.019	---	---	22
23	---	---	0.0758	1.81 B	1.71	0.018	1.01	0.180	0.067	0.019	---	---	23
24	---	---	0.0728	2.37 B	1.67	0.002	0.832	0.108	0.056	0.018	---	---	24
25	---	---	0.0718	3.16 B	1.42	0.048	0.848	0.089	0.054	0.019	---	---	25
26	---	---	0.0708	4.24	1.38	0.004	1.08	0.084	0.054	0.022	---	---	26
27	---	---	0.0698	4.29	1.32	0.023	0.995	0.069	0.049	0.024	---	---	27
28	---	---	0.0688	4.26	1.33	0.118	0.877	0.056	0.037	0.026	---	---	28
29	---		0.0688	4.17	1.10	0.233	0.741	0.056	0.031	0.027	---	---	29
30	---		0.0688	4.11	1.08	0.383	0.678	0.057	0.026	0.029	---	---	30
31	---		0.0688		1.00		0.579	0.062		0.031A		---	31
TOTAL	---	---	3.881	33.469	74.01	12.045	27.835	5.186	1.886	0.847	---	---	TOTAL
MEAN	---	---	0.118	1.12	2.39	0.402	0.898	0.188	0.063	0.027	---	---	MEAN
MAX	---	---	0.180	4.29	4.02	0.895	1.23	0.490	0.151	0.044	---	---	MAX
MIN	---	---	0.068	0.070	1.00	0.002	0.428	0.042	0.021	0.018	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.653
MAXIMUM DAILY, 4.29 ON APR 27
MINIMUM DAILY, 0.002 ON JUN 24
MAXIMUM INSTANTANEOUS,
4.43 AT 16:16 CST ON APR 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 62 32 56 N
LONG 102 41 10 W
DRAINAGE AREA, 1 360 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 400
FEB	---	AUG	533
MAR	218	SEP	183
APR	2 690	OCT	73.2
MAY	8 390	NOV	---
JUN	1 040	DEC	---

TOTAL DISCHARGE, 13 800 dam³

BATTLE CREEK AT ALBERTA BOUNDARY - STATION NO. 11AB117

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.2598	0.9178	0.880	0.429	0.344	0.220	0.014	0.147	0.123	---	1
2	---	---	0.2568	1.23 B	0.836	0.429	0.393	0.259	0.018	0.155	---	---	2
3	---	---	0.2938	1.47 B	0.830	0.418	0.481	0.281	0.018	0.173	---	---	3
4	---	---	0.2818	1.20 B	0.810	0.418	0.638	0.248	0.022	0.188	---	---	4
5	---	---	0.2598	0.7278	0.882	0.449	0.404	0.253	0.021	0.178	---	---	5
6	---	---	0.2388	0.6488	0.876	0.817	0.271	0.236	0.023	0.221	---	---	6
7	---	---	0.2188	0.5808	0.856	0.435	0.211	0.220	0.033	0.239	---	---	7
8	---	---	0.2228	0.807	0.499	0.380	0.233	0.199	0.089	0.236	---	---	8
9	---	---	0.2348	0.723	0.589	0.358	0.303	0.187	0.080	0.236	---	---	9
10	---	---	0.4618	0.658	0.741	0.329	0.890	0.081	0.078	0.228	---	---	10
11	---	---	0.8148	0.382	0.836	0.345	0.726	0.050	0.078	0.237	---	---	11
12	---	---	3.80 B	0.364	0.811	0.357	0.416	0.052	0.098	0.236	---	---	12
13	---	---	1.17 B	0.341	0.783	0.305	0.333	0.083	0.105	0.228	---	---	13
14	---	---	0.6778	0.335	0.672	0.271	0.285	0.054	0.113	0.219	---	---	14
15	---	---	0.7688	0.312	0.651	0.235	0.280	0.041	0.103	0.226	---	---	15
16	---	---	0.8218	0.361	0.979	0.208	0.261	0.027	0.116	0.234	---	---	16
17	---	---	0.8758	1.21	1.42	0.202	0.317	0.023	0.143	0.236	---	---	17
18	---	---	0.4218	1.37	2.27	0.423	0.337	0.024	0.180	0.232	---	---	18
19	---	---	0.3858	1.18	1.87	0.418	0.215	0.025	0.143	0.241	---	---	19
20	---	---	0.3798	1.08	1.43	0.295	0.929	0.026	0.130	0.237	---	---	20
21	---	---	0.3738	1.00	1.27	0.258	1.08	0.038	0.138	0.232	---	---	21
22	---	0.1898	0.3688	1.08	1.07	0.267	0.878	0.052	0.118	0.237	---	---	22
23	---	0.2068	0.3608	0.984	0.913	0.240	0.582	0.080	0.118	0.235	---	---	23
24	---	0.2218	0.3548	0.857	0.812	0.211	0.537	0.054	0.108	0.240	---	---	24
25	---	0.2808	0.3488	0.872	0.732	0.208	0.528	0.047	0.094	0.245	---	---	25
26	---	0.2868	0.3428	0.775	0.662	0.189	0.518	0.036	0.121	0.245	---	---	26
27	---	0.2478	0.3358	0.850	0.603	0.213	0.385	0.035	0.116	0.235	---	---	27
28	---	0.2408	0.3298	0.887	0.853	0.228	0.245	0.024	0.101	0.182	---	---	28
29	---		0.3238	0.831	0.815	0.267	0.251	0.017	0.104	0.183	---	---	29
30	---		0.2128	0.811	0.474	0.351	0.237	0.018	0.131	0.183	---	---	30
31	---		1.38 B		0.445		0.218	0.010		0.137		---	31
TOTAL	---	---	17.441	23.833	26.280	9.787	13.186	2.897	2.678	5.824	---	---	TOTAL
MEAN	---	---	0.563	0.784	0.848	0.326	0.425	0.093	0.089	0.214	---	---	MEAN
MAX	---	---	3.80	1.47	2.27	0.617	1.08	0.261	0.180	0.245	---	---	MAX
MIN	---	---	0.212	0.312	0.445	0.199	0.211	0.010	0.014	0.137	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.418
MAXIMUM DAILY, 3.808 ON MAR 12
MINIMUM DAILY, 0.010 ON AUG 31
MAXIMUM INSTANTANEOUS,
8.478 AT 02:41 CST ON MAR 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 38 55 N
LONG 110 00 15 W
DRAINAGE AREA, 111 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 140
FEB	---	AUG	250
MAR	1 510	SEP	231
APR	2 030	OCT	572
MAY	2 270	NOV	---
JUN	844	DEC	---

TOTAL DISCHARGE, 8 850 dam³

BATTLE CREEK AT INTERNATIONAL BOUNDARY - STATION NO 11AB027

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.482	0.741	0.180	0.783	1.18	0.187	0.017	0	0.352	---	1
2	---	---	0.497	0.856	0.146	0.648	0.682	0.158	0.012	0	0.358	---	2
3	---	---	0.557	0.448	0.143	0.821	0.756	0.248	0.008	0	---	---	3
4	---	---	0.583	0.605	0.128	0.595	0.741	0.427	0.006	0.070	---	---	4
5	---	---	0.578	0.512	0.111	0.733	0.609	0.374	0.004	0.180	---	---	5
6	---	---	0.588	1.03	0.115	1.53	1.19	0.314	0.003	0.173	---	---	6
7	---	---	0.576	0.784	0.107	1.38	1.24	0.275	0.002	0.180	---	---	7
8	---	---	0.569	0.915	0.127	1.25	1.08	0.240	0.002	0.208	---	---	8
9	---	---	0.576	1.13	0.706	1.01	0.880	0.226	0.002	0.226	---	---	9
10	---	---	0.615	0.888	1.25	0.802	0.866	0.211	0.002	0.234	---	---	10
11	---	---	0.621	0.704	1.32	0.682	1.21	0.199	0.001	0.280	---	---	11
12	---	---	0.663	0.388	1.59	0.756	0.635	0.208	0.001	0.280	---	---	12
13	---	---	0.520	0.302	2.31	0.575	0.601	0.202	0.001	0.280	---	---	13
14	---	---	0.563	0.233	1.58	0.583	0.741	0.180	0.001	0.275	---	---	14
15	---	---	0.608	0.257	0.808	0.536	0.788	0.188	0.001	0.314	---	---	15
16	---	---	0.544	0.470	0.557	0.443	0.616	0.150	0	0.314	---	---	16
17	---	---	0.475	0.427	0.403	0.370	0.583	0.123	0	0.310	---	---	17
18	---	---	0.448	0.417	0.368	0.322	0.470	0.111	0	0.334	---	---	18
19	---	---	1.08	0.275	0.385	0.615	0.398	0.098	0	0.347	---	---	19
20	---	---	1.24	0.202	0.322	0.719	0.374	0.095	0	0.347	---	---	20
21	---	---	1.35	0.175	0.459	0.889	0.302	0.095	0	0.347	---	---	21
22	---	---	1.20	0.155	0.733	0.882	0.256	0.091	0	0.352	---	---	22
23	---	---	1.02	0.143	0.835	0.882	0.302	0.090	0	0.352	---	---	23
24	---	---	0.784	0.183	0.828	0.890	0.838	0.083	0	0.374	---	---	24
25	---	---	0.850	0.188	0.923	0.753	0.736	0.071	0	0.374	---	---	25
26	---	---	0.503	0.138	0.726	0.884	0.487	0.058	0	0.385	---	---	26
27	---	---	0.302	0.130	0.801	1.14	0.393	0.047	0	0.381	---	---	27
28	---	---	0.520	0.155	1.25	1.10	0.310	0.031	0	0.374	---	---	28
29	---		0.454	0.180	0.823	1.18	0.332	0.031	0	0.370	---	---	29
30	---		0.526	0.150	0.682	1.25	0.294	0.029	0	0.361	---	---	30
31	---		0.641		0.923		0.233	0.026		0.352		---	31
TOTAL	---	---	20.452	12.942	21.102	23.890	20.140	4.983	0.084	8.264	---	---	TOTAL
MEAN	---	---	0.660	0.431	0.681	0.796	0.650	0.180	0.002	0.267	---	---	MEAN
MAX	---	---	1.35	1.13	2.31	1.53	1.24	0.427	0.017	0.374	---	---	MAX
MIN	---	---	0.302	0.130	0.107	0.322	0.233	0.026	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.486
MAXIMUM DAILY, 2.31 ON MAY 13
MINIMUM DAILY, 0 ON SEP 16
MAXIMUM INSTANTANEOUS,
3.94 AT 21:30 CST ON MAY 12

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 00 10 N
LONG 105 25 20 W
DRAINAGE AREA, 2 580 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 740
FEB	---	AUG	429
MAR	1 770	SEP	8.53
APR	1 130	OCT	715
MAY	1 820	NOV	---
JUN	2 060	DEC	---

TOTAL DISCHARGE, 9 880 dam³

BATTLE CREEK BELOW NASHLYN PROJECT - STATION NO. 11AB101

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.8758	0.112	0.802	0.742	0.470	0.085	0.207	0.357A	---	1
2	---	---	---	0.8448	0.080	0.807	0.775	0.450	0.049	0.203	---	---	2
3	---	---	---	0.7008	0.080	0.857	0.788	0.398	0.035	0.198	---	---	3
4	---	---	---	0.448	0.084	0.828	0.937	0.384	0.038	0.216	---	---	4
5	---	---	---	0.845	0.053	1.44	1.31	0.322	0.039	0.204	---	---	5
6	---	---	---	0.733	0.137	1.30	1.32	0.288	0.033	0.250	---	---	6
7	---	---	---	0.854	0.289	1.16	1.08	0.272	0.024	0.244	---	---	7
8	---	---	---	1.08	0.581	0.952	0.705	0.265	0.035	0.264	---	---	8
9	---	---	---	0.732	0.778	0.731	0.841	0.238	0.047	0.287	---	---	9
10	---	---	---	0.458	0.935	0.892	0.800	0.215	0.052	0.273	---	---	10
11	---	---	---	0.286	1.14	0.858	0.588	0.201	0.088	0.257	---	---	11
12	---	---	---	0.187	1.88	0.854	0.842	0.215	0.054	0.273	---	---	12
13	---	---	---	0.188	1.13	0.577	0.824	0.208	0.037	0.305	---	---	13
14	---	---	---	0.334	0.905	0.488	0.858	0.188	0.027	0.298	---	---	14
15	---	---	---	0.343	0.295	0.379	0.896	0.179	0.014	0.299	---	---	15
16	---	---	---	0.351	0.280	0.326	0.883	0.189	0.013	0.314	---	---	16
17	---	---	---	0.253	0.258	0.397	0.490	0.187	0.015	0.332	---	---	17
18	---	---	---	0.150	0.227	0.987	0.455	0.158	0.008	0.330	---	---	18
19	---	---	---	0.134	0.295	0.857	0.404	0.145	0.005	0.331	---	---	19
20	---	---	---	0.124	0.403	0.804	0.381	0.138	0.008	0.336	---	---	20
21	---	---	---	0.125	0.580	0.785	0.393	0.127	0.128	0.337	---	---	21
22	---	---	---	0.146	0.437	0.798	0.800	0.118	0.105	0.358	---	---	22
23	---	---	---	0.141	0.526	0.850	1.18	0.111	0.113	0.372	---	---	23
24	---	---	---	0.109	0.782	0.988	0.700	0.115	0.121	0.361	---	---	24
25	---	---	0.2898	0.112	0.537	1.18	0.484	0.118	0.118	0.358	---	---	25
26	---	---	0.3378	0.139	0.586	1.27	0.371	0.087	0.125	0.361	---	---	26
27	---	---	0.3758	0.128	1.11	1.24	0.382	0.084	0.139	0.387	---	---	27
28	---	---	0.3228	0.129	0.782	1.18	0.343	0.082	0.189	0.348	---	---	28
29	---		0.6458	0.134	0.588	1.27	0.271	0.081	0.188	0.338	---	---	29
30	---		0.7178	0.125	0.926	1.15	0.220	0.082	0.182	0.344	---	---	30
31	---		0.7788		0.822		0.190	0.082		0.347		---	31
TOTAL	---	---	---	10.741	17.012	25.422	20.221	5.088	2.038	9.283	---	---	TOTAL
MEAN	---	---	---	0.358	0.549	0.847	0.652	0.188	0.068	0.300	---	---	MEAN
MAX	---	---	---	1.08	1.88	1.44	1.32	0.470	0.182	0.372	---	---	MAX
MIN	---	---	---	0.109	0.083	0.328	0.180	0.082	0.005	0.198	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 1.88 ON MAY 12
MINIMUM DAILY, 0.005 ON SEP 19
MAXIMUM INSTANTANEOUS,
2.33 AT 01:23 CST ON MAY 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 08 52 N
LONG 109 27 52 W
DRAINAGE AREA, 2 210 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 780
FEB	---	AUG	524
MAR	---	SEP	176
APR	928	OCT	803
MAY	1 470	NOV	---
JUN	2 200	DEC	---

BATTLE CREEK BELOW WILSON'S WEIR - STATION NO. 11AB118

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.4988	0.787	0.828	0.840	0.840	0.470	0.182	0.311	---	---	1
2	---	---	0.3488	1.68	0.704	0.987	1.28	0.474	0.145	0.338	---	---	2
3	---	---	0.3108	1.59	0.824	0.884	1.28	0.449	0.128	0.375	---	---	3
4	---	---	0.3488	1.43	0.857	0.757	0.988	0.413	0.128	0.380	---	---	4
5	---	---	0.3218	1.63	1.08	0.578	0.528	0.408	0.118	0.382	---	---	5
6	---	---	0.3868	1.47	1.21	0.547	0.437	0.384	0.113	0.380	---	---	6
7	---	---	0.3648	1.21	1.21	0.518	0.271	0.378	0.110	0.377	---	---	7
8	---	---	0.2398	0.801	1.22	0.617	0.578	0.345	0.117	0.384	---	---	8
9	---	---	0.2648	0.578	1.23	0.539	0.758	0.382	0.154	0.429	---	---	9
10	---	---	0.2488	0.853	1.83	0.504	0.795	0.347	0.155	0.433	---	---	10
11	---	---	0.3128	0.582	0.715	0.487	0.783	0.382	0.171	0.422	---	---	11
12	---	---	0.5868	0.453	0.011	0.438	0.690	0.384	0.188	0.435	---	---	12
13	---	---	1.30 B	0.380	0.008	0.368	0.394	0.328	0.213	0.445	---	---	13
14	---	---	1.94 B	0.324	0.008	0.358	0.441	0.298	0.230	0.450	---	---	14
15	---	---	1.43 B	0.298	0.008	0.343	0.448	0.288	0.213	0.452	---	---	15
16	---	---	1.50 B	0.448	0.008	0.318	0.377	0.302	0.222	0.455	---	---	16
17	---	---	1.34 B	0.488	0.008	0.311	0.331	0.283	0.203	0.456	---	---	17
18	---	---	1.14 B	0.485	0.010	0.345	0.297	0.262	0.190	0.485	---	---	18
19	---	---	0.6868	0.371	0.008	0.387	0.287	0.239	0.207	0.486	---	---	19
20	---	---	0.8938	0.437	0.017	0.409	0.674	0.228	0.227	0.484	---	---	20
21	---	0.5588	0.703	0.538	0.008	0.541	0.281	0.232	0.243	0.480	---	---	21
22	---	0.5208	0.578	0.388	0.008	0.788	0.012	0.208	0.271	0.478	---	---	22
23	---	0.5238	0.488	0.448	0.007	0.988	0.008	0.218	0.285	0.484	---	---	23
24	---	0.5188	0.878	0.408	0.007	1.01	0.007	0.221	0.283	0.480	---	---	24
25	---	0.5248	0.874	0.271	0.008	0.981	0.007	0.215	0.295	0.484	---	---	25
26	---	0.5308	1.01	0.302	0.011	0.987	0.283	0.207	0.293	0.488	---	---	26
27	---	0.5808	0.951	0.511	0.010	0.787	0.720	0.187	0.270	0.482	---	---	27
28	---	0.5408	0.788	0.884	0.010	0.828	0.880	0.178	0.284	0.482	---	---	28
29	---		0.902	0.648	0.010	0.850	0.828	0.173	0.258	0.487	---	---	29
30	---		0.988	0.881	0.010	0.741	0.534	0.185	0.280	0.488	---	---	30
31	---		0.893		0.010		0.488	0.172		0.487A		---	31
TOTAL	---	---	23.588	20.888	11.488	17.888	16.301	8.133	8.142	13.488	---	---	TOTAL
MEAN	---	---	0.781	0.888	0.370	0.590	0.528	0.285	0.285	0.434	---	---	MEAN
MAX	---	---	1.94	1.68	1.83	1.01	1.28	0.474	0.285	0.488	---	---	MAX
MIN	---	---	0.238	0.271	0.007	0.040	0.007	0.185	0.110	0.311	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.484
MAXIMUM DAILY, 1.940 ON MAR 14
MINIMUM DAILY, 0.007 ON MAY 23
MAXIMUM INSTANTANEOUS,
2.038 AT 02:28 CST ON MAR 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 27 01 N
LONG 109 38 39 W

A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 410
FEB	---	AUG	789
MAR	2 040	SEP	531
APR	1 800	OCT	1 180
MAY	981	NOV	---
JUN	1 530	DEC	---

TOTAL DISCHARGE, 10 300 dam³

BATTLE CREEK NEAR CONSUL - STATION NO. 11AB006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	1.48 B	0.688	0.570	0.715	0.549	0.104	0.222	0.391A	---	1
2	---	---	---	1.32 B	0.597	0.832	0.858	0.473	0.094	0.233	---	---	2
3	---	---	---	1.39 P	0.219	1.02	1.33	0.421	0.080	0.226	---	---	3
4	---	---	---	2.81 B	0.762	1.81	1.80	0.383	0.066	0.245	---	---	4
5	---	---	---	2.02 B	0.770	1.41	1.71	0.340	0.049	0.261	---	---	5
6	---	---	---	2.53 B	0.851	1.25	1.08	0.310	0.061	0.280	---	---	6
7	---	---	---	1.80 B	0.956	0.993	0.785	0.283	0.050	0.283	---	---	7
8	---	---	---	1.78	0.938	0.723	0.671	0.270	0.053	0.291	---	---	8
9	---	---	---	1.39	1.04	0.749	0.319	0.264	0.047	0.287	---	---	9
10	---	---	---	1.04	1.06	0.824	0.633	0.289	0.038	0.293	---	---	10
11	---	---	---	0.880	2.42	0.802	1.18	0.246	0.045	0.308	---	---	11
12	---	---	---	0.793	1.34	0.636	1.25	0.263	0.050	0.328	---	---	12
13	---	---	---	0.702	0.635	0.477	0.858	0.261	0.048	0.324	---	---	13
14	---	---	---	0.582	0.287	0.388	0.678	0.283	0.070	0.335	---	---	14
15	---	---	---	0.520	0.286	0.300	0.607	0.286	0.070	0.358	---	---	15
16	---	---	---	0.453	0.285	0.744	0.584	0.279	0.074	0.380	---	---	16
17	---	---	---	0.447	0.242	0.987	0.436	0.285	0.114	0.380	---	---	17
18	---	---	---	0.555	0.339	0.862	0.375	0.244	0.128	0.367	---	---	18
19	---	---	---	0.609	0.545	0.824	0.306	0.221	0.123	0.380	---	---	19
20	---	---	---	0.510	0.584	0.788	0.575	0.223	0.131	0.368	---	---	20
21	---	---	---	0.486	0.502	0.795	1.14	0.225	0.131	0.378	---	---	21
22	---	---	---	0.547	0.880	0.803	1.31	0.227	0.129	0.387	---	---	22
23	---	---	---	0.585	0.850	1.03	0.807	0.209	0.142	0.388	---	---	23
24	---	---	0.4428	0.453	0.804	1.34	0.371	0.210	0.154	0.382	---	---	24
25	---	---	0.1869	0.525	0.758	1.83	0.388	0.192	0.186	0.393	---	---	25
26	---	---	0.1008	0.454	1.26	1.52	0.341	0.185	0.191	0.383	---	---	26
27	---	---	0.4318	0.358	0.770	1.51	0.223	0.178	0.158	0.368	---	---	27
28	---	---	0.9588	0.398	0.677	1.56	0.166	0.164	0.186	0.372	---	---	28
29	---		0.8548	0.526	1.05	0.990	0.293	0.149	0.201	0.370	---	---	29
30	---		1.14 B	0.658	0.618	0.722	0.738	0.143	0.212	0.376	---	---	30
31	---		1.33 B		0.527		0.678	0.126		0.382		---	31
TOTAL	---	---	---	28.774	22.892	28.146	23.184	8.129	3.217	10.269	---	---	TOTAL
MEAN	---	---	---	0.859	0.742	0.938	0.748	0.282	0.107	0.331	---	---	MEAN
MAX	---	---	---	2.81	2.42	1.83	1.80	0.549	0.212	0.393	---	---	MAX
MIN	---	---	---	0.358	0.219	0.300	0.186	0.126	0.038	0.222	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 2.918 ON APR 4
MINIMUM DAILY, 0.038 ON SEP 10
MAXIMUM INSTANTANEOUS,
4.188 AT 15:58 CST ON APR 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 17 12 N
LONG 108 21 22 W
DRAINAGE AREA, 1 850 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 000
FEB	---	AUG	702
MAR	---	SEP	278
APR	2 490	OCT	886
MAY	1 890	NOV	---
JUN	2 430	DEC	---

BATTLE RIVER AT BATTLEFORD - STATION NO. 05FF001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.788	11.8 B	30.2	11.9	16.3	34.5	7.48	4.84	---	---	1
2	---	---	1.798	9.80B	29.0	11.5	15.5	32.9	7.36	4.82	---	---	2
3	---	---	1.808	10.2 B	28.2	10.7	14.5	31.1	7.09	4.81	---	---	3
4	---	---	1.828	10.2 B	27.9	10.3	13.4	29.4	6.88	4.57	---	---	4
5	---	---	1.838	12.3 B	27.2	9.90	21.5	27.5	7.00	4.50	---	---	5
6	---	---	1.848	14.8 B	26.0	9.47	26.5	25.7	6.53	4.42	---	---	6
7	---	---	1.858	18.0 B	24.8	8.31	30.5	23.9	6.72	4.39	---	---	7
8	---	---	1.878	21.1 B	23.8	8.98	33.5	22.3	6.32	4.27	---	---	8
9	---	---	1.888	28.7 B	22.7	8.82	45.5	20.9	6.45	4.13	---	---	9
10	---	---	1.888	28.7 B	21.4	8.18	72.0	19.6	7.12	4.08	---	---	10
11	---	---	1.988	27.3 B	21.4	7.73	81.8	18.5	6.38	3.98	---	---	11
12	---	---	2.058	25.7 B	19.9	7.38	80.6	18.0	6.10	3.95	---	---	12
13	---	---	2.118	24.8 B	19.5	7.05	77.4	17.0	6.08	3.91	---	---	13
14	---	---	2.188	25.8 B	18.9	6.78	76.7	16.2	5.85	3.85	---	---	14
15	---	---	2.238	28.0 B	18.6	8.44	76.8	15.4	5.61	3.82	---	---	15
16	---	---	2.288	42.0 B	19.7	8.23	75.8	14.5	5.49	3.82	---	---	16
17	---	---	2.328	38.1	22.3	8.89	72.3	14.0	5.88	3.85	---	---	17
18	---	---	2.358	35.8	24.0	8.58	68.0	13.9	6.00	3.89	---	---	18
19	---	---	2.438	35.1	23.4	8.41	65.3	13.2	5.85	3.83	---	---	19
20	---	---	2.498	36.4	21.0	8.52	62.3	12.5	5.80E	3.82	---	---	20
21	---	---	2.588	38.0	18.9	8.45	58.5	11.8	5.28E	3.81	---	---	21
22	---	---	2.708	36.4	17.4	8.62	56.4	11.1	5.04E	3.81	---	---	22
23	---	---	2.838	37.1	16.5	8.84	55.8	10.8	4.88E	3.77	---	---	23
24	---	---	3.008	37.3	16.0	7.18	53.7	10.2	4.80E	3.72	---	---	24
25	---	---	3.188	37.3	15.5	8.55	50.5	10.5	4.62E	3.68	---	---	25
26	---	---	3.308	37.0	15.0	10.0	48.2	9.82	4.78E	3.83	---	---	26
27	---	---	3.448	36.6	14.4	10.8	47.4	9.17	4.72E	3.80	---	---	27
28	---	---	3.598	36.4	14.1	13.7	46.7	8.80	4.78A	3.87	---	---	28
29	---		3.688	33.4	14.0	15.9	42.4	8.44	4.76	3.98	---	---	29
30	---		4.738	31.8	13.0	16.7	38.0	8.20	4.78	3.88	---	---	30
31	---		12.8 B		12.4		36.4	7.88		3.88A		---	31
TOTAL	---	---	86.98	842.80	636.9	262.24	1 580.0	527.52	176.89	123.53	---	---	TOTAL
MEAN	---	---	2.80	28.1	20.5	8.74	51.0	17.0	5.90	3.98	---	---	MEAN
MAX	---	---	12.8	42.0	30.2	16.7	81.8	34.5	7.48	4.84	---	---	MAX
MIN	---	---	1.78	9.80	12.4	5.41	15.8	7.88	4.72	3.67	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 17.3
MAXIMUM DAILY, 81.8 ON JUL 11
MINIMUM DAILY, 1.788 ON MAR 1
MAXIMUM INSTANTANEOUS,
83.2 AT 18:40 CST ON JUL 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 44 07 N
LONG 108 20 09 W
DRAINAGE AREA, 30 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	137 000
FEB	---	AUG	45 600
MAR	7 510	SEP	15 300
APR	72 800	OCT	10 700
MAY	55 000	NOV	---
JUN	22 700	DEC	---

TOTAL DISCHARGE, 367 000 dam³

BEAR CREEK NEAR PIAPOT - STATION NO. 05HA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.713B	2.78	0.632	0.384	0.188	0.005	0	0	0.082	---	1
2	---	---	0.663B	1.85	0.800	0.361	0.210	0.004	0	0	0.088A	---	2
3	---	---	0.533B	1.78	0.533	0.355	0.211	0.004	0	0	---	---	3
4	---	---	0.501B	1.34	0.485	0.384	0.210	0.003	0	0	---	---	4
5	---	---	0.396B	0.884	0.489	0.384	0.224	0.002	0	0	---	---	5
6	---	---	0.338B	0.729	0.431	0.333	0.178	0.002	0	0	---	---	6
7	---	---	0.261B	0.650	0.383	0.305	0.138	0.001	0	0	---	---	7
8	---	---	0.303B	0.848	0.362	0.283	0.103	0	0	0	---	---	8
9	---	---	0.266B	0.720	0.354	0.267	0.081	0	0	0	---	---	9
10	---	---	0.503B	0.886	1.37	0.223	0.145	0	0	0	---	---	10
11	---	---	5.04 B	0.782	1.55	0.190	1.12	0.001	0	0	---	---	11
12	---	---	3.34	0.807	1.24	0.281	0.710	0.008	0	0	---	---	12
13	---	---	1.59	0.841	1.08	0.283	0.350	0.007	0	0	---	---	13
14	---	---	1.11	0.531	1.75	0.232	0.234	0.007	0	0	---	---	14
15	---	0.818B	1.00	0.524	1.69	0.195	0.177	0.004	0	0	---	---	15
16	---	0.809B	0.889	0.583	1.42	0.188	0.141	0.004	0	0	---	---	16
17	---	0.854B	0.813	0.887	1.77	0.135	0.136	0.007	0	0.003	---	---	17
18	---	0.629B	0.375	0.744	1.81	0.136	0.122	0.008	0	0.003	---	---	18
19	---	0.377B	0.336	0.819	1.58	0.139	0.108	0.007	0	0.003	---	---	19
20	---	0.311B	0.356	0.815	1.23	0.132	0.115	0.005	0	0.003	---	---	20
21	---	0.378B	0.321	0.782	0.896	0.119	0.125	0.003	0	0.003	---	---	21
22	---	0.367B	0.348	0.725	0.858	0.115	0.112	0.002	0	0.002	---	---	22
23	---	0.380B	0.331	0.882	0.789	0.107	0.078	0.001	0	0.003	---	---	23
24	---	0.372B	0.342	0.843	0.861	0.087	0.084	0.001	0	0.003	---	---	24
25	---	0.442B	0.296	0.809	0.618	0.085	0.034	0	0	0.003	---	---	25
26	---	0.527B	0.342	0.880	0.584	0.074	0.027	0	0	0.011	---	---	26
27	---	0.727B	0.330	0.785	0.804	0.068	0.022	0	0	0.020	---	---	27
28	---	0.902B	0.482	0.889	0.652	0.064	0.018	0	0	0.018	---	---	28
29	---	---	0.812	0.594	0.624	0.074	0.012	0	0	0.026	---	---	29
30	---	---	1.05	0.600	0.388	0.150	0.009	0	0	0.035	---	---	30
31	---	---	7.53		0.378		0.007	0		0.043		---	31
TOTAL	---	---	31.898	25.728	27.300	8.045	5.404	0.088	0	0.181	---	---	TOTAL
MEAN	---	---	1.02	0.858	0.881	0.202	0.174	0.003	0	0.008	---	---	MEAN
MAX	---	---	7.53	2.78	1.81	0.384	1.12	0.008	0	0.043	---	---	MAX
MIN	---	---	0.242	0.524	0.354	0.084	0.007	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.394
MAXIMUM DAILY, 7.53 ON MAR 31
MINIMUM DAILY, 0 ON AUG 8
MAXIMUM INSTANTANEOUS,
11.3 AT 13:50 CST ON MAR 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 55 N
LONG 109 08 20 W
DRAINAGE AREA, 253 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	487
FEB	---	AUG	7.43
MAR	2 760	SEP	0
APR	2 220	OCT	15.6
MAY	2 380	NOV	---
JUN	522	DEC	---

TOTAL DISCHARGE, 8 330 dam³

BEAVER CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 11AF005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.45 B	1.87	0.072	0.048	0.023	0.020	0.020	0.027	0.031	---	1
2	---	---	1.17 B	0.883	0.071	0.047	0.023	0.020	0.020	0.027	0.030	---	2
3	---	---	0.828B	0.357	0.067	0.046	0.022	0.019	0.020	0.027	0.033	---	3
4	---	---	0.728B	0.344	0.067	0.045	0.021	0.018	0.020	0.027	0.032	---	4
5	---	---	0.588B	0.286	0.067	0.044	0.021	0.018	0.021	0.027	0.032	---	5
6	---	---	0.461B	0.233	0.065	0.041	0.020	0.018	0.021	0.027	0.033	---	6
7	---	---	0.368B	0.182	0.064	0.040	0.019	0.018	0.021	0.027	0.033	---	7
8	---	---	0.224B	0.157	0.062	0.039	0.019	0.017	0.021	0.028	0.030	---	8
9	---	---	0.163B	0.141	0.060	0.038	0.018	0.018	0.022	0.026	0.030	---	9
10	---	---	0.165B	0.131	0.058	0.034	0.030	0.018	0.022	0.028	0.031	---	10
11	---	---	0.801B	0.148	0.062	0.034	0.026	0.018	0.022	0.028	0.033	---	11
12	---	---	5.18 B	0.161	0.078	0.035	0.022	0.017	0.022	0.028	0.035	---	12
13	---	---	2.84 B	0.139	0.107	0.035	0.022	0.017	0.023	0.028	0.033	---	13
14	---	---	3.11 B	0.128	0.133	0.033	0.022	0.017	0.023	0.028	0.034	---	14
15	---	---	1.74 B	0.119	0.208	0.032	0.022	0.018	0.023	0.028	0.034	---	15
16	---	---	1.45 B	0.108	0.380	0.030	0.021	0.015	0.023	0.028	0.032	---	16
17	---	0.843B	0.839B	0.101	0.248	0.032	0.022	0.015	0.024	0.028	0.032	---	17
18	---	0.444B	0.287B	0.096	0.201	0.032	0.021	0.015	0.024	0.029	0.033	---	18
19	---	1.25 B	0.251B	0.095	0.174	0.034	0.024	0.015	0.024	0.029	0.034	---	19
20	---	0.709B	0.172B	0.091	0.159	0.032	0.023	0.015	0.024	0.029	0.034	---	20
21	---	0.371B	0.138B	0.094	0.148	0.031	0.023	0.015	0.025	0.028	0.0388	---	21
22	---	0.418B	0.121B	0.092	0.135	0.031	0.022	0.015	0.025	0.030	0.0378	---	22
23	---	1.58 B	0.117B	0.088	0.118	0.030	0.020	0.016	0.025	0.030	0.0388	---	23
24	---	2.08 B	0.117B	0.083	0.105	0.029	0.019	0.018	0.025	0.030	0.0408	---	24
25	---	1.66 B	0.128B	0.080	0.094	0.028	0.019	0.017	0.026	0.030	0.0418	---	25
26	---	2.07 B	0.138B	0.082	0.081	0.025	0.021	0.017	0.026	0.030	0.0448	---	26
27	---	2.64 B	0.141B	0.078	0.075	0.024	0.018	0.018	0.026	0.030	0.0438	---	27
28	---	2.18 B	0.177B	0.076	0.087	0.024	0.018	0.018	0.028	0.030	0.0458	---	28
29	---		1.47 B	0.074	0.088	0.024	0.019	0.019	0.026	0.031	0.0478	---	29
30	---		5.83 B	0.072	0.085	0.024	0.020	0.018	0.026	0.031	0.0478	---	30
31	---		4.46		0.080		0.020	0.018		0.031		---	31
TOTAL	---	---	38.522	6.157	3.389	1.017	0.681	0.534	0.696	0.891	1.086	---	TOTAL
MEAN	---	---	1.18	0.205	0.109	0.034	0.021	0.017	0.023	0.029	0.036	---	MEAN
MAX	---	---	5.83	1.87	0.380	0.048	0.030	0.020	0.026	0.031	0.047	---	MAX
MIN	---	---	0.117	0.072	0.060	0.024	0.018	0.015	0.020	0.027	0.030	---	MIN

SUMMARY FOR THE YEAR 1983

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 5.830 ON MAR 30

MAXIMUM INSTANTANEOUS,
11.08 AT 11:00 CST ON MAR 30

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 00 01 N
LONG 105 02 03 W
DRAINAGE AREA, 385 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	57.1
FEB	---	AUG	46.1
MAR	3 180	SEP	80.1
APR	532	OCT	77.0
MAY	293	NOV	92.1
JUN	87.9	DEC	---

BEAVER RIVER BELOW WATERHEN RIVER - STATION NO. 05AG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	14.3 B	12.0B	9.26B	17.9B	72.6	40.6	23.8	38.0	24.9E	25.0	25.0	24.9B	1
2	14.4 B	12.0B	9.59B	16.1B	75.3	40.0	23.6	39.5	24.1E	26.2	25.0	24.2B	2
3	14.6 B	12.0B	13.5 B	18.8B	73.3	39.0	24.2	40.3	23.6E	25.4	25.7	24.1B	3
4	14.6 B	11.8B	16.0 B	19.0B	65.1	38.7	25.6	40.3	23.1E	26.6	26.8	24.9B	4
5	14.8 B	12.0B	17.0 B	18.8B	61.6	38.6	26.8	39.9	22.7E	26.5	25.7	23.8B	5
6	15.5 B	12.0B	17.3 B	20.2B	60.2	38.8	28.3	39.5	22.2E	26.7	25.5	23.0B	6
7	16.0 B	12.0B	16.8 B	22.9B	60.1	38.6	30.8	39.4	21.8E	26.6	25.0	22.0B	7
8	16.2 B	12.0B	16.0 B	26.4B	60.6	38.7	33.7	38.3	21.3A	26.7	24.6	20.2B	8
9	16.5 B	12.0B	16.2 B	33.1B	60.1	38.1	34.8	37.2	20.8	26.2	24.1	19.0B	9
10	16.9 B	11.8B	16.3 B	37.7B	56.1	34.2	34.8	36.0	20.6	25.6	23.2B	18.1B	10
11	16.1 B	11.8B	16.3 B	41.8B	52.0	33.0	34.7	34.2A	20.0	25.6	22.1B	17.8B	11
12	9.49B	11.7B	16.4 B	46.5B	50.7	30.6	34.6	33.7E	19.7	25.2	16.8B	17.4B	12
13	11.1 B	11.8B	16.7 B	65.1B	50.5	28.3	34.3	33.3E	19.4	25.1	17.4B	16.8B	13
14	12.2 B	12.3B	16.9 B	64.3B	49.0	26.9	33.7	32.8E	19.1	24.8	17.8B	16.5B	14
15	12.6 B	12.7B	16.9 B	59.8B	48.4	24.6	32.6	32.4E	18.7	25.1	17.4B	16.2B	15
16	12.5 B	13.3B	16.8 B	52.8B	47.5	23.2	31.4	31.9E	18.8	25.6	17.1B	15.9B	16
17	12.1 B	13.4B	16.8 B	59.0B	47.3	22.2	30.5	31.4E	22.6	25.6	16.9B	15.6B	17
18	11.6 B	10.4B	16.9 B	73.2B	46.9	20.9	29.3	31.0E	26.1	25.1	16.8B	15.3B	18
19	11.4 B	12.0B	16.2 B	84.1B	46.7	19.6	28.6	30.5E	26.1	24.7	16.9B	15.0B	19
20	11.4 B	12.7B	17.6 B	87.8	45.4	18.1	27.2	30.1E	25.6	24.6	17.5B	14.7B	20
21	11.4 B	12.4B	17.6 B	87.2	46.2	18.6	27.1	29.6E	25.1	24.7	14.6B	14.5B	21
22	11.5 B	12.2B	17.6 B	85.0	46.6	18.3	33.3	29.1E	24.2	25.0	10.5B	14.2B	22
23	12.1 B	12.0B	16.0 B	84.2	46.3	17.6	28.3	28.7E	25.4	25.0	19.6B	13.9B	23
24	12.1 B	11.8B	16.0 B	81.2	43.9	17.2	27.5	28.2E	24.2	25.0	23.0B	13.6B	24
25	11.9 B	12.6B	16.0 B	69.6	43.0	18.3	28.0	27.8E	24.0	26.1	23.7B	13.3B	25
26	12.0 B	13.7B	17.4 B	60.2	44.0	20.7	28.6	27.3E	23.9	25.0	26.7B	13.0B	26
27	11.9 B	14.8B	17.7 B	63.6	43.8	20.8	28.4	26.8E	24.3	24.9	26.3B	12.8B	27
28	11.8 B	14.7B	17.7 B	66.5	43.0	22.2	27.8	26.4E	24.3	24.7	25.9B	12.5B	28
29	11.6 B		17.7 B	65.9	41.9	24.1	28.5	25.9E	24.7	24.6	25.0B	12.4B	29
30	11.8 B		17.8 B	66.4	40.5	24.2	31.7	25.4E	25.3	24.7	25.0B	12.2B	30
31	11.9 B		17.8 B		40.3		36.5	25.0E		24.8		11.9B	31
TOTAL	402.69	346.2	535.35	1 472.7	1 807.5	831.3	928.0	1 009.9	685.4	769.2	650.9	528.9	TOTAL
MEAN	13.0	12.4	17.3	49.1	51.8	27.7	30.0	32.8	22.8	25.5	21.7	17.1	MEAN
MAX	16.5	14.8	18.9	73.2	75.3	40.6	36.5	40.3	26.1	26.6	26.7	24.9	MAX
MIN	9.49	10.4	9.26	17.8	40.3	17.2	23.6	25.0	18.7	24.6	16.5	11.9	MIN

SUMMARY FOR THE YEAR 1983

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 26.6
MAXIMUM DAILY, 75.3 ON MAY 2
MINIMUM DAILY, 9.26B ON MAR 1
MAXIMUM INSTANTANEOUS,
80.4B AT 13:41 CST ON APR 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 49 00 N
LONG 107 49 00 W
DRAINAGE AREA, 45 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	34 800	JUL	80 300
FEB	29 900	AUG	87 300
MAR	46 300	SEP	59 300
APR	127 000	OCT	66 200
MAY	139 000	NOV	56 200
JUN	71 800	DEC	45 700

TOTAL DISCHARGE, 843 000 dam³

BEAVER RIVER NEAR DORINTOSH - STATION NO. 05AD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.95B	2.84B	2.91B	3.47B	15.1	11.1	18.2	31.0	6.53	10.6	7.63	5.27B	1
2	2.70B	2.60B	3.00B	3.46B	15.7	11.5	17.6	30.9	6.11	10.3	6.03	5.34B	2
3	2.67B	2.55B	3.11B	3.41B	15.4	11.2	18.7	31.1	5.73	10.2	6.47	5.39B	3
4	2.69B	2.62B	3.20B	3.84B	15.2	11.1	20.3	31.2	5.48	10.1	6.85	5.49B	4
5	2.77B	2.62B	3.28B	5.41B	15.0	11.2	22.6	30.3	6.02	9.90	6.86	5.63B	5
6	2.85B	2.63B	3.34B	10.2 B	15.7	11.3	24.1	28.8	6.77	9.55	6.30	5.80B	6
7	2.85B	2.59B	3.22B	15.9 B	15.1	11.3	25.2	27.0	6.16	9.40	6.08	5.57B	7
8	2.84B	2.58B	3.17B	19.4 B	14.7	11.1	25.8	25.0	5.73	9.29	6.08	5.44B	8
9	2.95B	2.44B	3.12B	20.3 B	14.8	10.8	26.2	23.0	5.58	9.09	6.00	5.30B	9
10	2.93B	2.56B	3.02B	20.5 B	15.0	10.4	24.5	20.6	5.30	8.78	5.63B	5.08B	10
11	2.91B	2.88B	3.07B	18.4 B	15.0	9.86	24.8	18.9	4.99	8.62	4.96B	4.89B	11
12	2.76B	2.89B	2.97B	16.8 B	14.6	9.37	23.9	18.1	4.83	8.42	3.13B	4.48B	12
13	2.63B	3.05B	2.74B	17.5 B	14.0	8.88	22.2	17.1	4.84	8.13	4.37B	4.08B	13
14	2.86B	2.96B	2.64B	20.9 B	13.7	8.56	20.7	15.9	4.85	7.86	4.19B	3.74B	14
15	2.84B	2.73B	2.52B	22.1 B	13.4	8.32	19.4	15.1	4.85	7.78	4.80B	3.50B	15
16	2.46B	2.84B	2.44B	21.0 B	12.7	7.94	17.5	14.5	5.14	7.81	4.34B	3.31B	16
17	2.37B	2.62B	2.27B	22.6 B	12.2	7.65	16.6	13.8	6.04	8.01	4.27B	3.17B	17
18	2.48B	2.68B	2.18B	21.6 B	11.8	7.36	16.0	13.2	6.67	7.97	4.43B	3.05B	18
19	2.55B	2.70B	2.14B	20.0	11.4	8.87	15.3	12.5	6.72	7.78	4.74B	2.87B	19
20	2.84B	2.79B	2.18B	23.5	11.2	6.93	14.6	11.9	6.89	7.55	5.20B	2.89B	20
21	2.78B	2.81B	2.27B	21.3	11.4	6.82	14.4	11.3	7.23	7.46	4.68B	2.97B	21
22	2.60B	2.92B	2.68B	20.2	11.4	6.83	14.4	10.8	7.44	7.34	3.78B	2.94B	22
23	2.75B	3.00B	2.91B	20.6	11.4	7.03	14.5	10.1	7.72	7.49	5.65B	2.92B	23
24	2.58B	2.95B	3.11B	22.1	11.0	7.38	14.3	9.75	8.31	7.58	5.78B	2.90B	24
25	2.41B	2.87B	3.20B	22.8	10.8	8.35	14.4	9.25	9.24	7.62	5.09B	2.81B	25
26	2.33B	3.05B	3.33B	20.7	11.4	8.74	15.2	8.73	9.80	7.38	5.39B	2.74B	26
27	2.36B	2.95B	3.49B	19.0	11.4	9.07	16.8	8.24	10.1	7.30	4.64B	2.69B	27
28	2.63B	2.90B	3.59B	17.5	11.4	10.2	25.1	7.77	10.5	7.16	4.68B	2.61B	28
29	2.73B		3.61B	17.0	11.0	10.9	29.4	7.45	10.8	7.04	5.08B	2.58B	29
30	2.67B		3.54B	16.5	10.8	12.6	31.1	7.11	10.8	6.94	5.19B	2.60B	30
31	2.65B		3.48B		10.8		31.3	6.82		7.01		2.61B	31
TOTAL	83.27	77.41	91.71	529.21	406.5	280.96	634.8	527.02	207.47	257.35	178.11	120.40	TOTAL
MEAN	2.69	2.76	2.96	17.6	13.1	9.37	20.5	17.0	6.92	8.30	5.94	3.86	MEAN
MAX	2.95	3.05	3.61	31.5	15.1	12.6	31.3	31.2	10.8	10.6	6.86	5.80	MAX
MIN	2.33	2.44	2.14	3.41	10.8	6.82	14.3	6.82	4.84	6.94	3.12	2.61	MIN

SUMMARY FOR THE YEAR 1983

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 9.30
MAXIMUM DAILY, 31.6B ON APR 18
MINIMUM DAILY, 2.14B ON MAR 19
MAXIMUM INSTANTANEOUS,
34.1 AT 03:47 CST ON APR 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 17 45 N
LONG 105 36 05 W
DRAINAGE AREA, 20 500 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	7 150	JUL	54 600
FEB	6 890	AUG	45 500
MAR	7 920	SEP	17 900
APR	45 700	OCT	22 200
MAY	35 100	NOV	15 400
JUN	24 300	DEC	10 400

TOTAL DISCHARGE, 293 000 dam³

BECKETT BROOK NEAR PEAN LAKE - STATION NO. 08MA022

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0 B	0.314	0.013	0	0.111	0	0.001	0.001A	---	1
2	---	---	0 B	0 B	0.178	0.007	0.001	0.131	0	0.001	---	---	2
3	---	---	0 B	0 B	0.113	0.004	0.001	0.228	0	0.001	---	---	3
4	---	---	0 B	0 B	0.089	0.005	0.001	0.114	0	0.001	---	---	4
5	---	---	0 B	0 B	0.030	0.004	0.001	0.072	0	0.001	---	---	5
6	---	---	0 B	0 B	0.011	0.002	0.001	0.083	0	0.001	---	---	6
7	---	---	0 B	0 B	0.008	0.002	0.001	0.062	0	0.001	---	---	7
8	---	---	0 B	0 B	0.059	0.001	0	0.058	0	0.001	---	---	8
9	---	---	0 B	0 B	0.021	0.001	0.030	0.088	0.001	0.001	---	---	9
10	---	---	0 B	0 B	0.106	0.001	2.06	0.055	0.001	0.001	---	---	10
11	---	---	0 B	0 B	0.233	0.001	5.17	0.103	0.001	0.001	---	---	11
12	---	---	0 B	0 B	0.122	0.004	4.36	0.502	0.001	0.001	---	---	12
13	---	---	0 B	0 B	0.321	0.006	4.06	0.201	0.001	0.001	---	---	13
14	---	---	0 B	0 B	0.317	0.003	2.87	0.084	0.001	0.001	---	---	14
15	---	---	0 B	0 B	0.256	0.002	1.90	0.024	0.001	0.001	---	---	15
16	---	---	0 B	0 B	0.352	0.001	1.57	0.013	0.001	0.001	---	---	16
17	---	---	0 B	0 B	0.470	0.001	1.23	0.008	0.001	0.001	---	---	17
18	---	---	0 B	0.0018	0.480	0.001	0.811	0.008	0.001	0.001	---	---	18
19	---	---	0 B	0.0068	0.486	0	0.815	0.008	0.001	0.001	---	---	19
20	---	---	0 B	0.3068	0.485	0	0.741	0.074	0.001	0.001	---	---	20
21	---	---	0 B	1.33 B	0.858	0	1.10	0.028	0.001	0.001	---	---	21
22	---	---	0 B	1.35	0.830	0	1.01	0.010	0.001	0.001	---	---	22
23	---	---	0 B	0.942	0.891	0	0.748	0.005	0.001	0.001	---	---	23
24	---	---	0 B	1.28	0.840	0	0.804	0.004	0.001	0.001	---	---	24
25	---	---	0 B	1.86	0.297	0	0.703	0.002	0.001	0.001	---	---	25
26	---	---	0 B	1.42	0.175	0	0.832	0.002	0.001	0.001	---	---	26
27	---	---	0 B	1.02	0.124	0	0.839	0.001	0.001	0.001	---	---	27
28	---	---	0 B	0.770	0.088	0	0.881	0.001	0	0.001	---	---	28
29	---		0 B	0.581	0.036	0	0.735	0.001	0	0.001	---	---	29
30	---		0 B	0.462	0.027	0	0.584	0	0	0.001	---	---	30
31	---		0 B		0.028		0.251	0		0.001		---	31
TOTAL	---	---	0	11.333	7.423	0.081	35.321	2.045	0.018	0.031	---	---	TOTAL
MEAN	---	---	0	0.374	0.239	0.002	1.14	0.066	0.001	0.001	---	---	MEAN
MAX	---	---	0	1.86	0.891	0.013	5.17	0.502	0.001	0.001	---	---	MAX
MIN	---	---	0	0	0.011	0	0	0	0	0.001	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.228
MAXIMUM DAILY, 5.17 ON JUL 11
MINIMUM DAILY, 0.0 ON MAR 1
MAXIMUM INSTANTANEOUS,
5.45 AT 10:45 CST ON JUL 11

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 30 30 N
LONG 103 35 12 W
DRAINAGE AREA, 831 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 080
FEB	---	AUG	197
MAR	0	SEP	1.84
APR	871	OCT	2.88
MAY	641	NOV	---
JUN	9.27	DEC	---

TOTAL DISCHARGE, 4 850 dam³

BELANGER CREEK DIVERSION TO CYPRESS LAKE - STATION NO. 11AC004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	4.20	0.006	0	0	0	0	0	---	---	1
2	---	---	0 B	1.83	0	0	0	0	0	0	---	---	2
3	---	---	0 B	1.88	0	0	0	0	0	0	---	---	3
4	---	---	0 B	1.31	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0.785	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0.618	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0.456	0	0	0	0	0	0	---	---	7
8	---	---	0	0.447	0	0	0	0	0	0	---	---	8
9	---	---	0	0.588	0	0	0	0	0	0	---	---	9
10	---	---	0	0.488	0.023	0	0	0	0	0	---	---	10
11	---	---	3.22	0.826	0.312	0	2.86 A	0	0	0	---	---	11
12	---	---	7.74	0.378	0.410	0	2.76	0	0	0	---	---	12
13	---	---	3.81	0.133	0.420	0	0.874A	0	0	0	---	---	13
14	---	---	1.81	0.111	1.28	0	0.581	0	0	0	---	---	14
15	---	---	1.40	0.083	3.49	0	0.390	0	0	0	---	---	15
16	---	---	1.08	0.027	2.93	0	0.107	0	0	0	---	---	16
17	---	---	0.857	0.026	4.50	0	0	0	0	0	---	---	17
18	---	---	0.857	0.035	4.62	0	0	0	0	0	---	---	18
19	---	---	0.362	0.048	3.81	0	0	0	0	0	---	---	19
20	---	0B	0.164	0.084	2.81	0	0	0	0	0	---	---	20
21	---	0B	0.115	0.101	1.87	0	0	0	0	0	---	---	21
22	---	0B	0.110	0.118	1.53	0	0.003	0	0	0	---	---	22
23	---	0B	0.103	0.108	0.784	0	0	0	0	0	---	---	23
24	---	0B	0.089	0.085	0.006	0	0	0	0	0	---	---	24
25	---	0B	0.149	0.087	0.086	0	0	0	0	0	---	---	25
26	---	0B	0.145	0.080	0.088	0	0	0	0	0	---	---	26
27	---	0B	0.111	0.837	0.017	0	0	0	0	0	---	---	27
28	---	0C	0.088	0.551	0	0	0	0	0	0	---	---	28
29	---		0.312	0.408	0	0	0	0	0	0	---	---	29
30	---		1.88	0.350	0	0	0	0	0	0	---	---	30
31	---		5.14		0		0	0		0		---	31
TOTAL	---	---	37.743	18.145	27.883	0	7.595	0	0	0	---	---	TOTAL
MEAN	---	---	0.835	0.538	0.889	0	0.245	0	0	0	---	---	MEAN
MAX	---	---	7.74	4.20	4.62	0	2.86	0	0	0	---	---	MAX
MIN	---	---	0	0.026	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.324
MAXIMUM DAILY, 7.74 ON MAR 12
MINIMUM DAILY, 0.0 ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 29 30 N
LONG 109 31 54 W

A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1933

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	888
FEB	---	AUG	0
MAR	2 486	SEP	0
APR	1 320	OCT	0
MAY	2 419	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 6 880 dam³

BIG GULLY CREEK NEAR MAIDSTONE - STATION NO. 05EP005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.8	0 .8	0.240	0.002	0.014E	0	0	0	---	---	1
2	---	---	0.8	0.0088	0.177	0.003	0.011E	0	0	0	---	---	2
3	---	---	0.8	0.0148	0.161	0.004	0.009E	0	0	0	---	---	3
4	---	---	0.8	0.0238	0.154	0.004	0.007E	0	0	0	---	---	4
5	---	---	0.8	0.0338	0.104	0.002	0.005E	0	0	0	---	---	5
6	---	---	0.8	0.048E	0.080	0.001	0.003E	0	0	0	---	---	6
7	---	---	0.8	0.078E	0.078	0.001	0.002E	0	0	0	---	---	7
8	---	---	0.8	0.150E	0.076	0	0.001E	0	0	0	---	---	8
9	---	---	0.8	0.278	0.086	0	0	0	0	0	---	---	9
10	---	---	0.8	0.844	0.072	0	0	0	0	0	---	---	10
11	---	---	0.8	1.18	0.062	0	0	0	0	0	---	---	11
12	---	---	0.8	1.03	0.134	0	0	0	0	0	---	---	12
13	---	---	0.8	0.714	0.113	0	0	0	0	0	---	---	13
14	---	---	0.8	0.800	0.130	0	0	0	0	0	---	---	14
15	---	---	0.8	0.607	0.136	0	0	0	0	0	---	---	15
16	---	---	0.8	0.234	0.081	0	0	0	0	0	---	---	16
17	---	---	0.8	0.138	0.078	0	0	0	0	0	---	---	17
18	---	---	0.8	0.110	0.073	0	0	0	0	0	---	---	18
19	---	---	0.8	0.071	0.059	0	0	0	0	0	---	---	19
20	---	---	0.8	0.054	0.139	0	0	0	0	0	---	---	20
21	---	---	0.8	0.035	0.177	0	0	0	0	0	---	---	21
22	---	---	0.8	0.024	0.095	0	0	0	0	0	---	---	22
23	---	---	0.8	0.018	0.067	0	0	0	0	0	---	---	23
24	---	---	0.8	0.014	0.048	0.002	0	0	0	0	---	---	24
25	---	---	0.8	0.009	0.031	0.007	0	0	0	0	---	---	25
26	---	---	0.8	0.005	0.021	0.032	0	0	0	0	---	---	26
27	---	---	0.8	0.074	0.014	0.036A	0	0	0	0	---	---	27
28	---	---	0.8	0.155	0.009	0.034E	0	0	0	0	---	---	28
29	---		0.8	0.197	0.008	0.030E	0	0	0	0	---	---	29
30	---		0.8	0.284	0.004	0.017E	0	0	0	0	---	---	30
31	---		0.8		0.002		0	0		0		---	31
TOTAL	---	---	0	7.059	3.726	0.304	0.053	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.235	0.088	0.007	0.002	0	0	0	---	---	MEAN
MAX	---	---	0	1.18	0.240	0.057	0.014	0	0	0	---	---	MAX
MIN	---	---	0	0	0.002	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.061
MAXIMUM DAILY, 1.18 ON APR 11
MINIMUM DAILY, 0.0 ON MAR 1
MAXIMUM INSTANTANEOUS,
1.40 AT 15:02 CST ON APR 9

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 14 39 N
LONG 109 17 45 W
DRAINAGE AREA, 1 030 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	4 49
FEB	---	AUG	0
MAR	0	SEP	0
APR	610	OCT	0
MAY	235	NOV	---
JUN	18.0	DEC	---

TOTAL DISCHARGE, 887 dam³

BIG QUILL LAKE NEAR KANDAHAR - STATION NO. 05HA010

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	515.248	---	515.303E	515.134	515.058	515.012	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
							515.180						
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	515.232	---	515.182E	---	---	---	---	7
8	---	---	---	---	---	---	---	---	515.125	515.048	---	---	8
9	---	---	---	---	---	---	515.174	---	515.094	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
						515.226		515.184E					
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	515.044	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	515.107	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	515.172E	---	515.034	---	---	17
18	---	---	---	---	---	---	---	---	515.085	---	---	---	18
19	---	---	---	---	---	---	515.200	---	---	---	---	---	19
20	---	---	---	---	---	515.196	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	515.027	---	---	21
22	---	---	---	---	---	---	---	515.184E	---	---	---	---	22
23	---	---	---	---	---	---	---	---	515.084	---	---	---	23
24	---	---	---	---	---	---	515.218	---	---	---	---	---	24
25	---	---	---	---	---	515.182	---	---	---	515.021	---	---	25
					515.288	---	---	---	515.078	---	---	---	
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	515.178	515.212	515.152E	---	---	---	---	28
29	---		---	---	---	---	---	515.148	---	---	---	---	29
30	---		---	---	---	---	---	---	515.058	---	---	---	30
31	---		---	---	515.278	515.178	---	---	---	515.012	---	---	31
					---		---	---		---		---	
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 46 04 N
LONG 104 19 10 W
DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

E - ESTIMATED
NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

BIG SANDY LAKE ON THE HANSON LAKE ROAD - STATION NO. 06KF004

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	393.703	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	393.734	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	393.885	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	---	---	---	---	---	---	---	---	29
30	---		---	---	---	---	---	---	---	---	---	---	30
31	---		---		---		---	---	---	---	---	---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 27 39 N
LONG 104 10 35 W
DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

BIGSTONE LAKE NEAR LA RONGE - STATION NO. 05EA004

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.808	0.784	0.777	0.770	0.853	0.983	1.091	1.038	0.920	0.918	0.884	0.908	1
2	0.808	0.783	0.777	0.788	0.888	0.988	1.088	1.033	0.911	0.914	0.885	0.908	2
3	0.810	0.783	0.777	0.787	0.872	1.024	1.088	1.028	0.930	0.907	0.884	0.907	3
4	0.812	0.783	0.777	0.787	0.876	1.037	1.084	1.028	0.924	0.911	0.891	0.906	4
5	0.812	0.783	0.778	0.789	0.878	1.048	1.088	1.030	0.918	0.928	0.910	0.902	5
6	0.814	0.780	0.778	0.788	0.878	1.054	1.088	1.041	0.928	0.926	0.900	0.901	6
7	0.814	0.788	0.779	0.788	0.888	1.056	1.080	1.042	0.927	0.920	0.894	0.898	7
8	0.813	0.785	0.774	0.770	0.886	1.071	1.071	1.032	0.927	0.918	0.903	0.898	8
9	0.815	0.784	0.778	0.770	0.891	1.070	1.078	1.026	0.915	0.912	0.899	0.894	9
10	0.814	0.783	0.775	0.771	0.878	1.061	1.081	1.015	0.924	0.919	0.894	0.893	10
11	0.814	0.784	0.777	0.772	0.904	1.089	1.086	1.009	0.924	0.920	0.893	0.890	11
12	0.813	0.783	0.776	0.774	0.913	1.098	1.082	1.011	0.920	0.914	0.892	0.890	12
13	0.812	0.784	0.777	0.775	0.914	1.105	1.082	1.013	0.915	0.911	0.895	0.891	13
14	0.812	0.784	0.777	0.777	0.918	1.103	1.072	0.994	0.905	0.902	0.895	0.892	14
15	0.808	0.785	0.774	0.778	0.928	1.088	1.073	0.991	0.900	0.901	0.895	0.892	15
16	0.805	0.785	0.775	0.778	0.940	1.087	1.084	0.982	0.898	0.915	0.895	0.890	16
17	0.802	0.784	0.776	0.778	0.940	1.098	1.081	0.980	0.904	0.912	0.898	0.890	17
18	0.801	0.782	0.775	0.781	0.952	1.085	1.069	0.977	0.970	0.905	0.914	0.890	18
19	0.801	0.783	0.774	0.783	0.945	1.077	1.062	0.975	0.974	0.899	0.918	0.887	19
20	0.801	0.782	0.773	0.787	0.959	1.073	1.038	0.962	0.981	0.894	0.919	0.886	20
21	0.799	0.782	0.774	0.789	0.972	1.068	1.039	0.953	0.965	0.895	0.917	0.884	21
22	0.799	0.783	0.774	0.783	0.983	1.086	1.058	0.955	0.935	0.898	0.918	0.882	22
23	0.798	0.782	0.771	0.788	0.983	1.091	1.058	0.948	0.933	0.902	0.917	0.880	23
24	0.797	0.781	0.771	0.805	0.988	1.084	1.055	0.945	0.932	0.907	0.917	0.878	24
25	0.798	0.778	0.772	0.810	0.974	1.070	1.050	0.941	0.931	0.900	0.918	0.880	25
26	0.796	0.778	0.771	0.824	0.977	1.084	1.055	0.939	0.928	0.899	0.914	0.878	26
27	0.794	0.778	0.770	0.836	0.983	1.086	1.060	0.935	0.928	0.901	0.912	0.878	27
28	0.795	0.777	0.770	0.842	0.996	1.088	1.048	0.931	0.940	0.898	0.912	0.877	28
29	0.795		0.769	0.845	0.981	1.104	1.041	0.928	0.931	0.898	0.912	0.876	29
30	0.795		0.770	0.847	0.976	1.099	1.044	0.921	0.928	0.892	0.910	0.876	30
31	0.795		0.770		0.990		1.042	0.923		0.893		0.874	31
MEAN	0.805	0.785	0.775	0.788	0.932	1.078	1.065	0.985	0.927	0.907	0.904	0.890	MEAN
MAX	0.815	0.784	0.778	0.847	0.996	1.105	1.091	1.043	0.974	0.920	0.918	0.908	MAX
MIN	0.794	0.777	0.769	0.787	0.853	0.983	1.038	0.921	0.898	0.892	0.884	0.874	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1983

MEAN, 0.904
MAXIMUM DAILY, 1.105 ON JUN 13
MINIMUM DAILY, 0.787 ON APR 3
MAXIMUM INSTANTANEOUS,
1.120 AT 18:42 CST ON JUL 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 05 40 N
LONG 105 21 50 W

REGULATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

REMARKS - THE MAXIMUM INSTANTANEOUS WATER LEVEL OCCURRED AS A RESULT OF WIND EFFECT

BIRCH CREEK NEAR ELFROS - STATION NO. 05MA011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0018	0.0018	0.281	0.040E	0.001E	1.95	0.002	0.002	0.002A	---	1
2	---	---	0.0018	0.0018	0.279	0.032E	0.002E	1.61	0.001	0.002	---	---	2
3	---	---	0.0018	0.0018	0.185	0.028E	0.002E	1.13	0.002	0.002	---	---	3
4	---	---	0.0018	0.0018	0.086	0.025E	0.004E	0.891	0.001	0.002	---	---	4
5	---	---	0.0018	0.0018	0.059	0.021E	0.005A	0.728	0.001	0.004	---	---	5
6	---	---	0.0018	0.0028	0.043	0.020E	0.002	0.889	0.001	0.008	---	---	6
7	---	---	0.0018	0.0328	0.022	0.018E	0.002	0.557	0.001	0.008	---	---	7
8	---	---	0.0018	0.0878	0.008	0.018E	0.002	0.387	0.001	0.003	---	---	8
9	---	---	0.0018	0.0958	0.005	0.014A	0.978	0.240	0.003	0.002	---	---	9
10	---	---	0.0018	0.0388	0.077	0.011	2.51	0.177	0.002	0.002	---	---	10
11	---	---	0.0018	0.0088	0.128	0.009	4.80	0.147	0.002	0.002	---	---	11
12	---	---	0.0018	0.0068	0.095	0.013	3.58	0.183	0.002A	0.004	---	---	12
13	---	---	0.0018	0.0068	0.189	0.014	2.71	0.271	0.002E	0.004	---	---	13
14	---	---	0.0018	0.0088	0.187	0.008E	2.87	0.168	0.002E	0.002	---	---	14
15	---	---	0.0018	0.0108	0.158	0.007E	3.81	0.102	0.002E	0.002	---	---	15
16	---	---	0.0018	0.0078	0.180	0.008E	3.35	0.047	0.002E	0.002	---	---	16
17	---	---	0.0018	0.0128	0.370	0.004E	2.25	0.027	0.008E	0.001	---	---	17
18	---	---	0.0018	0.2028	0.348	0.003E	1.83	0.022	0.008E	0.001	---	---	18
19	---	---	0.0018	1.88 B	0.280	0.003E	1.22	0.020	0.004E	0.001	---	---	19
20	---	---	0.0018	3.43 B	0.240	0.002E	0.995	0.020	0.002E	0.001	---	---	20
21	---	---	0.0018	3.50 B	0.463A	0.003E	12.8	0.022	0.001E	0.002	---	---	21
22	---	---	0.0548	3.83	0.850E	0.003E	9.45	0.028	0.001A	0.002	---	---	22
23	---	---	0.0828	2.87	0.478E	0.003E	6.44	0.027	0.001	0.002	---	---	23
24	---	---	0.1008	1.98	0.228E	0.003E	5.89	0.020	0.001	0.001	---	---	24
25	---	---	0.0588	1.16	0.188E	0.002E	5.54	0.024	0.001	0.001	---	---	25
26	---	---	0.0248	0.898	0.158E	0.002E	10.7	0.019	0.001	0.001	---	---	26
27	---	---	0.0838	0.884	0.128E	0.002E	9.08	0.018	0.002	0.001	---	---	27
28	---	---	0.0908	0.519	0.101E	0.001E	5.84	0.007	0.002	0.001	---	---	28
29	---		0.0158	0.420	0.084E	0.001E	4.01	0.003	0.002	0.001	---	---	29
30	---		0.0018	0.320	0.089E	0.001E	3.53	0.002	0.002	0.001	---	---	30
31	---		0.0018		0.054E		2.48	0.002		0.002	---	---	31
TOTAL	---	---	0.538	21.690	5.847	0.311	108.855	8.353	0.084	0.087	---	---	TOTAL
MEAN	---	---	0.017	0.723	0.189	0.010	3.64	0.303	0.002	0.002	---	---	MEAN
MAX	---	---	0.100	3.83	0.650	0.040	12.8	1.95	0.008	0.008	---	---	MAX
MIN	---	---	0.001	0.001	0.005	0.001	0.001	0.002	0.001	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.590
MAXIMUM DAILY, 12.8 ON JUL 21
MINIMUM DAILY, 0.0018 ON MAR 1
MAXIMUM INSTANTANEOUS,
15.8 AT 15:21 CST ON JUL 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 44 45 N
LONG 103 52 27 W
DRAINAGE AREA, 888 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	9 210
FEB	---	AUG	812
MAR	48.8	SEP	5.83
APR	1 870	OCT	5.79
MAY	505	NOV	---
JUN	28.9	DEC	---

TOTAL DISCHARGE, 12 500 dam³

BIRCH RIVER MARSH NEAR CUMBERLAND HOUSE - STATION NO. 05KH014

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	283.950E	284.038	283.948	283.857A	284.024	283.987	283.987	283.747	283.304	283.818	283.734	283.803	1
2	283.955E	284.034	283.947	283.851A	284.027	283.984	283.971	283.718	283.321	283.818	283.729	283.804	2
3	283.962E	284.032	283.941	283.850A	284.027	283.980	283.978	283.645	283.348	283.820	283.733	283.810	3
4	283.968E	284.030	283.941	283.850A	284.028	283.998	283.985	283.626	283.352	283.828	283.741	283.814	4
5	283.974E	284.024	283.940	283.848A	284.029	283.995	283.979	283.618	283.363	283.836	283.752	283.818A	5
6	283.980E	284.022	283.938	283.854A	284.030	283.991	283.988	283.608	283.388	283.837	283.765	283.819	6
7	283.985E	284.018	283.943	283.871A	284.027	283.987	283.949	283.598	283.403	283.841	283.755	283.824	7
8	283.983E	284.009	283.939	283.868A	284.026	283.988	283.934	283.587	283.418	283.844	283.763	283.825A	8
9	284.000E	284.007	283.933A	283.900A	284.022	283.982	283.921	283.590	283.421	283.845	283.782	283.829E	9
10	284.008A	284.007	283.933A	283.910A	284.014	283.984	283.913	283.583	283.486	283.852	283.781	283.831E	10
11	284.011	284.005	283.931A	283.921A	284.027	283.980	283.906	283.548	283.488	283.885	283.782	283.832E	11
12	284.012	284.001	283.927A	283.930A	284.036	283.984	283.892A	283.509	283.478	283.868	283.767	283.835E	12
13	284.020	284.002	283.924A	283.932	284.033	284.008	283.890A	283.458	283.492	283.875	283.770	283.836E	13
14	284.024	283.997	283.918A	283.931	284.036	284.011	283.880E	283.438	283.500	283.879	283.771	283.840E	14
15	284.024	283.993	283.912A	283.929	284.040	284.017	283.872E	283.432	283.508	283.881	283.770	283.842E	15
16	284.026	283.991	283.911A	283.927	284.046	284.022	283.862E	283.413	283.514	283.880	283.767	283.848E	16
17	284.022	283.853	283.908A	283.926	284.042	284.018	283.852E	283.405	283.525	283.891	283.786	283.848E	17
18	284.026	283.978	283.906A	283.937	284.034	284.013	283.842E	283.382	283.582	283.888	283.788	283.850E	18
19	284.031	283.976	283.903A	283.988	284.021	284.012	283.838E	283.383	283.582	283.888	283.772	283.852E	19
20	284.033	283.972	283.897A	283.983	284.017	284.008	283.828E	283.376	283.586	283.898	283.772	283.855E	20
21	284.036	283.972	283.892A	284.011	284.023	284.008	283.824A	283.380	283.588	283.708	283.772	283.858E	21
22	284.038	283.973	283.888A	284.018	284.031	284.001	283.803	283.341	283.572	283.708	283.771	283.860E	22
23	284.041	283.988	283.882A	284.020	284.024	283.998	283.798	283.328	283.582	283.718	283.773	283.865E	23
24	284.040	283.982	283.882A	284.020	284.021	283.993	283.788	283.318	283.586	283.721	283.778	283.870E	24
25	284.033	283.982	283.883A	284.018	284.013	283.993	283.783	283.312	283.593	283.718	283.781	283.874E	25
26	284.034A	283.982	283.878A	284.021	284.014	284.002	283.777	283.306	283.590	283.720	283.784	283.878E	26
27	284.038	283.983	283.874A	284.020	284.014	284.008	283.788	283.300	283.589	283.727	283.784	283.880E	27
28	284.044	283.980	283.870A	284.018	284.008	283.988	283.789	283.291	283.606	283.728	283.783	283.883A	28
29	284.048		283.867A	284.021	283.995	283.951	283.788	283.281	283.607	283.727	283.792	283.885	29
30	284.038		283.883A	284.025	283.984	283.951	283.787	283.273	283.610	283.729	283.800	283.888	30
31	284.048		283.881A		283.993		283.784	283.277		283.732		283.885	31
MEAN	284.014	283.984	283.908	283.942	284.023	283.996	283.884	283.452	283.498	283.881	283.788	283.848	MEAN
MAX	284.048	284.038	283.948	284.025	284.046	284.022	283.985	283.747	283.610	283.732	283.800	283.885	MAX
MIN	283.950	283.950	283.881	283.848	283.993	283.951	283.784	283.273	283.304	283.818	283.729	283.803	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MEAN, 283.831
MAXIMUM DAILY, 284.048 ON MAY 15
MINIMUM DAILY, 283.273 ON AUG 30
MAXIMUM INSTANTANEOUS,
284.051 AT 19:54 CST ON MAY 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 50 00 N
LONG 101 57 23 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

BIRCH RIVER NEAR MANITOBA BOUNDARY - STATION NO. 05KH013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0158	0.0158	0.0158	0.0158	0.015E	0.015E	6.12	3.40	0.015E	0.015E	0.044	0B	1
2	0.0158	0.0158	0.0158	0.0158	0.015E	0.015E	6.20	4.24	0.015E	0.015E	0.028	0B	2
3	0.0158	0.0158	0.0158	0.0158	0.015E	0.015E	6.34	4.24	0.015E	0.015E	0.029	0B	3
4	0.0158	0.0158	0.0158	0.0158	0.014E	0.015E	6.50	3.92	0.015E	0.015E	0.086	0B	4
5	0.0158	0.0158	0.0158	0.0158	0.015E	0.015E	6.38	3.88	0.015E	0.015E	0.121	0B	5
6	0.0158	0.0158	0.0158	0.0158	0.015E	0.015E	6.14	3.80	0.015E	0.015E	0.092	0B	6
7	0.0158	0.0158	0.0158	0.0158	0.015E	0.015E	5.70	3.38	0.015E	0.015E	0.138	0B	7
8	0.0158	0.0158	0.0158	0.0158	0.015E	0.015E	5.40	3.70	0.015E	0.015E	0.181	0B	8
9	0.0158	0.0158	0.0158	0.0158	0.015E	0.015E	5.14	3.68	0.015E	0.015E	0.176	0B	9
10	0.0158	0.0158	0.0158	0.0158	0.015E	0.015E	4.90	3.62	0.015E	0.015E	0.1718	0B	10
11	0.0158	0.0158	0.0158	0.0158	0.015E	0.015E	4.84	3.24	0.015E	0.015E	0.1788	0B	11
12	0.0158	0.0158	0.0158	0.0158	0.015E	0.015E	4.86	4.20	0.015E	0.015E	0.2048	0B	12
13	0.0158	0.0158	0.0158	0.0158	0.015E	0.015E	4.80	4.66	0.015E	0.C15E	0.2228	0B	13
14	0.0158	0.0158	0.0158	0.0158	0.015E	0.015E	4.30	4.16	0.015E	0.015E	0.2298	0B	14
15	0.0158	0.0158	0.0158	0.0158	0.015E	0.015E	4.18	4.04	0.015E	0.015E	0.2228	0B	15
16	0.0158	0.0158	0.0158	0.015E	0.015E	0.015E	3.98	3.88	0.015E	0.015E	0.2048	0B	16
17	0.0158	0.0158	0.0158	0.015E	0.015E	0.015E	3.80	3.84	0.015E	0	0.1988	0B	17
18	0.0158	0.0158	0.0158	0.015E	0.015E	0.015E	3.60	3.30	0.015E	0	0.2188	0B	18
19	0.0158	0.0158	0.0158	0.015E	0.015E	0.015E	3.48	3.32	0.015E	0	0.2368	0B	19
20	0.0158	0.0158	0.0158	0.015E	0.015E	0.015E	3.34	3.02	0.015E	0	0.2368	0B	20
21	0.0158	0.0158	0.0158	0.015E	0.015E	0.015E	4.10	3.74	0.015E	0.002	0.2368	0B	21
22	0.0158	0.0158	0.0158	0.015E	0.015E	0.015E	4.42	3.44	0.015E	0.002	0.2298	0B	22
23	0.0158	0.0158	0.0158	0.015E	0.015E	0.015E	4.30	3.24	0.015E	0.017	0.2318	0B	23
24	0.0158	0.0158	0.0158	0.015E	0.015E	0.015E	4.18	2.10	0.015E	0.019	0.1858	0B	24
25	0.0158	0.0158	0.0158	0.015E	0.015E	0.015E	4.02	1.88	0.015E	0.017	0 B	0B	25
26	0.0158	0.0158	0.0158	0.015E	0.015E	0.015E	3.94	1.88	0.015E	0.018	0 B	0B	26
27	0.0158	0.0158	0.0158	0.015E	0.015E	0.015E	3.72	1.82	0.015E	0.026	0 B	0B	27
28	0.0158	0.0158	0.0158	0.015E	0.015E	0.015E	3.80	1.88	0.015E	0.027	0 B	0B	28
29	0.0158		0.0158	0.015E	0.015E	3.50 E	3.84	1.84	0.015E	0.026	0 B	0B	29
30	0.0158		0.0158	0.015E	0.015E	3.78	3.58	1.46	0.015E	0.029	0 B	0B	30
31	0.0158		0.0158		0.015E	3.98	3.52	0.750		0.035		0B	31
TOTAL	0.485	0.420	0.485	0.450	0.485	15.845	142.26	94.990	0.450	0.459	4.081	0	TOTAL
MEAN	0.015	0.015	0.015	0.015	0.015	0.522	4.59	3.06	0.015	0.015	0.135	0	MEAN
MAX	0.015	0.015	0.015	0.015	0.015	5.86	6.50	4.66	0.015	0.036	0.238	0	MAX
MIN	0.015	0.015	0.015	0.015	0.015	0.015	3.34	0.750	0.015	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.713
MAXIMUM DAILY, 6.50 ON JUL 4
MINIMUM DAILY, 0 ON OCT 17

DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 50 00 N
LONG 101 57 33 W
DRAINAGE AREA, 1 340 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	40.2	JUL	12 300
FEB	36.3	AUG	8 210
MAR	40.2	SEP	38.9
APR	38.8	OCT	39.7
MAY	40.2	NOV	353
JUN	1 350	DEC	0

TOTAL DISCHARGE, 22 500 dam³

BIRLING CREEK NEAR PAYNTON - STATION NO. 05EG008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0	0	0	0	0	0	---	---	1
2	---	---	0B	0 B	0	0	0	0	0	0	---	---	2
3	---	---	0B	0.024B	0	0	0	0	0	0	---	---	3
4	---	---	0B	0.035B	0	0	0	0	0	0	---	---	4
5	---	---	0B	0.034B	0	0	0	0	0	0	---	---	5
6	---	---	0B	0.024B	0	0	0	0	0	0	---	---	6
7	---	---	0B	0.005B	0	0	0	0	0	0	---	---	7
8	---	---	0B	0.002A	0	0	0	0	0	0	---	---	8
9	---	---	0B	0	0	0	0	0	0	0	---	---	9
10	---	---	0B	0	0	0	0	0	0	0	---	---	10
11	---	---	0B	0	0	0	0	0	0	0	---	---	11
12	---	---	0B	0	0	0	0	0	0	0	---	---	12
13	---	---	0B	0	0	0	0	0	0	0	---	---	13
14	---	---	0B	0	0	0	0	0	0	0	---	---	14
15	---	---	0B	0	0	0	0	0	0	0	---	---	15
16	---	---	0B	0	0	0	0	0	0	0	---	---	16
17	---	---	0B	0	0	0	0	0	0	0	---	---	17
18	---	---	0B	0	0	0	0	0	0	0	---	---	18
19	---	---	0B	0	0	0	0	0	0	0	---	---	19
20	---	---	0B	0	0	0	0	0	0	0	---	---	20
21	---	---	0B	0	0	0	0	0	0	0	---	---	21
22	---	---	0B	0	0	0	0	0	0	0	---	---	22
23	---	---	0B	0	0	0	0	0	0	0	---	---	23
24	---	---	0B	0	0	0	0	0	0	0	---	---	24
25	---	---	0B	0	0	0	0	0	0	0	---	---	25
26	---	---	0B	0	0	0	0	0	0	0	---	---	26
27	---	---	0B	0	0	0	0	0	0	0	---	---	27
28	---	---	0B	0	0	0	0	0	0	0	---	---	28
29	---		0B	0	0	0	0	0	0	0	---	---	29
30	---		0B	0	0	0	0	0	0	0	---	---	30
31	---		0B		0		0	0		0		---	31
TOTAL	---	---	0	0.124	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.004	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0.035	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.001
MAXIMUM DAILY, 0.035B ON APR 4
MINIMUM DAILY, 0B ON MAY 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 04 45 N
LONG 105 59 00 W
DRAINAGE AREA, 434 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	10.7	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 10.7 dam³

BISSETT CREEK NEAR CHOICELAND - STATION NO. 05KE008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	3.53	0.784	0.885	0.326	0.030	0.183	0.142A	---	1
2	---	---	0B	0 B	3.26	0.802	0.856	0.318	0.030	0.170	---	---	2
3	---	---	0B	0.0018	3.08	0.857	0.813	0.289	0.042	0.177	---	---	3
4	---	---	0B	0.0048	2.78	0.829	1.07	0.188	0.055	0.188	---	---	4
5	---	---	0B	0.0078	2.41	0.871	1.08	0.288	0.078	0.189	---	---	5
6	---	---	0B	0.0108	2.04	0.832	1.15	0.239	0.150	0.188	---	---	6
7	---	---	0B	0.0148	1.78	0.882	1.25	0.213	0.140	0.182	---	---	7
8	---	---	0B	0.0158	1.57	0.776	1.30	0.195	0.114	0.234	---	---	8
9	---	---	0B	0.0128	1.46	0.743	1.27	0.209	0.119	0.715	---	---	9
10	---	---	0B	0.0108	1.43	0.749	1.23	0.230	0.198	0.182	---	---	10
11	---	---	0B	0.0128	1.33	0.724	1.17	0.189	0.207	0.185	---	---	11
12	---	---	0B	0.0138	1.83	0.695	0.995	0.183	0.224	0.192	---	---	12
13	---	---	0B	0.0238	2.08	0.789	0.785	0.214	0.232	0.205	---	---	13
14	---	---	0B	0.0228	2.08	0.831	0.814	0.200	0.232	0.212	---	---	14
15	---	---	0B	0.0048	2.13	0.841	0.847	0.175	0.227	0.202	---	---	15
16	---	---	0B	0.0038	2.05	0.781	0.908	0.145	0.227	0.224	---	---	16
17	---	---	0B	0.0088	1.93	0.784	0.772	0.085	0.223	0.214	---	---	17
18	---	---	0B	0.0448	1.83	0.875	0.889	0.085	0.224	0.178	---	---	18
19	---	---	0B	0.4738	1.83	0.960	0.885	0.082	0.225	0.211	---	---	19
20	---	---	0B	2.56 B	1.47	0.850	0.520	0.075	0.224	0.201	---	---	20
21	---	---	0B	9.37 B	1.52	0.820	0.701	0.045	0.247	0.206	---	---	21
22	---	---	0B	14.2 B	1.42	0.511	0.540	0.030	0.226	0.180	---	---	22
23	---	---	0B	15.0 B	1.37	0.856	0.496	0.027	0.226	0.187	---	---	23
24	---	---	0B	12 B	1.28	0.831	0.501	0.027	0.212	0.193	---	---	24
25	---	---	0B	10.3	1.20	1.01	0.518	0.043	0.210	0.192	---	---	25
26	---	---	0B	8.01	1.18	0.959	0.487	0.047	0.186	0.173	---	---	26
27	---	---	0B	5.86	1.12	0.849	0.456	0.057	0.187	0.152	---	---	27
28	---	---	0B	4.89	0.886	0.785	0.404	0.088	0.178	0.148	---	---	28
29	---		0B	4.24	0.834	0.789	0.397	0.052	0.185	0.148	---	---	29
30	---		0B	3.87	0.793	0.891	0.472	0.046	0.173	0.148	---	---	30
31	---		0B		0.762		0.377	0.037		0.142		---	31
TOTAL	---	---	0	91.893	53.825	25.109	24.807	4.321	5.213	5.783	---	---	TOTAL
MEAN	---	---	0	3.07	1.74	0.837	0.784	0.139	0.174	0.187	---	---	MEAN
MAX	---	---	0	15.0	3.53	1.01	1.30	0.326	0.247	0.234	---	---	MAX
MIN	---	---	0	0	0.762	0.695	0.377	0.027	0.030	0.142	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.881
MAXIMUM DAILY, 15.0B ON APR 23
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
15.3B AT 10:40 CST ON APR 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 27 11 N
LONG 104 34 07 W
DRAINAGE AREA, 538 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	2 130
FEB	---	AUG	373
MAR	0	SEP	450
APR	7 950	OCT	500
MAY	4 650	NOV	---
JUN	2 170	DEC	---

TOTAL DISCHARGE, 18 200 dam³

BLACKSTRAP RESERVOIR AT SOUTH SIDE OF CAUSEWAY - STATION NO. 05HG014

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	534.493	---	---	534.635	---	---	---	1
2	---	---	---	---	534.403	534.493	---	534.643	---	---	---	---	2
3	---	---	---	---	---	534.493	---	534.652	---	534.583	---	534.539	3
4	---	---	---	---	---	---	---	534.681	---	534.591	---	---	4
5	---	---	---	---	---	---	534.284	534.689	---	---	---	---	5
6	---	---	---	---	---	534.473	534.257	---	534.628	---	---	---	6
7	---	---	---	---	---	534.475	534.274	---	534.622	---	---	---	7
8	---	---	---	---	---	534.445	534.278	---	534.580	---	---	---	8
9	---	---	---	---	---	---	---	534.691	---	---	---	---	9
10	---	---	---	---	---	534.483	---	534.681	---	---	---	---	10
11	---	---	---	---	---	---	534.342	534.681	---	534.581	---	---	11
12	---	---	---	---	---	---	534.370	534.681	---	---	---	---	12
13	---	---	---	---	---	---	534.384	---	534.580	---	---	---	13
14	---	---	---	---	---	534.409	534.392	---	---	---	---	---	14
15	---	---	---	---	---	534.393	534.432	534.641	534.580	---	---	---	15
16	---	---	---	---	---	534.348	---	534.631	534.582	---	---	---	16
17	---	---	---	---	---	534.345	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	534.641	---	---	---	---	18
19	---	---	---	---	---	---	534.478	534.627	534.581	---	---	---	19
20	---	---	---	---	534.455	534.343	534.483	---	---	---	---	---	20
21	---	---	---	---	---	534.334	---	---	---	---	---	---	21
22	---	---	---	---	---	534.292	534.591	534.636	534.581	---	---	---	22
23	---	---	---	---	---	534.292	---	534.636	534.581	---	---	---	23
24	---	---	---	---	534.513	534.292	---	534.636	---	---	---	---	24
25	---	---	---	---	534.513	---	534.849	---	---	---	---	---	25
26	---	---	---	---	534.513	---	534.671	---	---	---	---	---	26
27	---	---	---	---	534.516	534.244	534.863	---	---	---	---	---	27
28	---	534.331	---	534.403	534.485	534.242	534.853	---	---	---	---	---	28
29	---		---	---	---	534.242	534.881	534.632	---	---	---	---	29
30	---		534.383	---	---	534.234	---	---	534.589	---	---	---	30
31	---		---		534.485		---	---		534.541		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MAXIMUM DAILY, 534.891 ON AUG 8
MINIMUM DAILY, 534.234 ON JUN 30

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 47 50 N
LONG 106 24 30 W
DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

BOGGY CREEK NEAR LUMSDEN - STATION NO. 05JF005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0028	0.0158	0.025	0.005	0.004	0.078	0.015	0.007	0.005	---	1
2	---	---	0.0028	0.0178	0.018	0.005	0.005	0.075	0.014	0.007	0.005A	---	2
3	---	---	0.0028	0.0358	0.014	0.005	0.008	0.085	0.012	0.007	---	---	3
4	---	---	0.0028	0.0838	0.012	0.005	0.007	0.053	0.010	0.007	---	---	4
5	---	---	0.0018	0.3318	0.004	0.005	0.008	0.045	0.009	0.005	---	---	5
6	---	---	0.0018	0.3628	0.004	0.005	0.008	0.031	0.008	0.008	---	---	6
7	---	---	0.0018	0.3648	0.004	0.005	0.008	0.018	0.007	0.008	---	---	7
8	---	---	0.0018	0.2868	0.004	0.005	0.008	0.017	0.005	0.007	---	---	8
9	---	---	0.0028	0.5898	0.004	0.005	0.008	0.018	0.010	0.007	---	---	9
10	---	---	0.0028	1.13 B	0.005	0.005	2.86	0.034	0.008	0.008	---	---	10
11	---	---	0.0028	0.9718	0.006	0.005	7.84	0.038	0.007	0.007	---	---	11
12	---	---	0.0038	0.8988	0.005	0.005	4.53	0.034	0.008	0.007	---	---	12
13	---	---	0.0028	0.5218	0.010	0.005	2.42	0.035	0.007	0.008	---	---	13
14	---	---	0.0038	0.4188	0.010	0.005	1.58	0.026	0.007	0.008	---	---	14
15	---	---	0.0028	0.3898	0.010	0.005	1.08	0.026	0.007	0.008	---	---	15
16	---	---	0.0028	0.3078	0.005	0.005	0.778	0.026	0.007	0.005	---	---	16
17	---	---	0.0028	0.2628	0.005	0.005	0.618	0.025	0.007	0.005	---	---	17
18	---	---	0.0028	0.228	0.005	0.005	0.336	0.023	0.007	0.008	---	---	18
19	---	---	0.0028	0.212	0.005	0.005	0.234	0.023	0.007	0.008	---	---	19
20	---	---	0.0028	0.184	0.005	0.005	0.230	0.022	0.007	0.008	---	---	20
21	---	---	0.0038	0.166	0.005	0.005	0.777	0.022	0.007	0.008	---	---	21
22	---	---	0.0028	0.138	0.005	0.009	0.483	0.022	0.008	0.008	---	---	22
23	---	---	0.0038	0.105	0.005	0.011	0.310	0.021	0.007	0.007	---	---	23
24	---	0.0028	0.0048	0.088	0.005	0.014	0.213	0.017	0.007	0.008	---	---	24
25	---	0.0028	0.0048	0.072	0.005	0.018	0.138	0.015	0.007	0.007	---	---	25
26	---	0.0028	0.0058	0.058	0.005	0.011	0.100	0.013	0.007	0.005	---	---	26
27	---	0.0028	0.0068	0.048	0.005	0.008	0.072	0.017	0.007	0.004	---	---	27
28	---	0.0028	0.0078	0.047	0.005	0.005	0.077	0.018	0.006	0.004	---	---	28
29	---		0.0078	0.043	0.005	0.005	0.080	0.018	0.006	0.004	---	---	29
30	---		0.0108	0.038	0.005	0.005	0.089	0.017	0.008	0.004	---	---	30
31	---		0.0128		0.005		0.085	0.014		0.005		---	31
TOTAL	---	---	0.101	5.171	0.214	0.158	24.887	0.906	0.237	0.189	---	---	TOTAL
MEAN	---	---	0.003	0.272	0.007	0.005	0.787	0.029	0.008	0.006	---	---	MEAN
MAX	---	---	0.012	1.13	0.025	0.018	7.84	0.078	0.015	0.008	---	---	MAX
MIN	---	---	0.001	0.015	0.004	0.005	0.004	0.013	0.005	0.004	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.142
MAXIMUM DAILY, 7.84 ON JUL 11
MINIMUM DAILY, 0.0018 ON MAR 5
MAXIMUM INSTANTANEOUS,
8.51 AT 10:28 CST ON JUL 11

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 35 55 N
LONG 104 49 05 W
DRAINAGE AREA, 401 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 130
FEB	---	AUG	78.3
MAR	8.73	SEP	20.5
APR	705	OCT	16.3
MAY	18.5	NOV	---
JUN	15.2	DEC	---

TOTAL DISCHARGE, 2 890 dam³

BOUNDARY RESERVOIR NEAR ESTEVAN - STATION NO. 05NB012

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	559.855	559.663	559.863	560.618	560.801	560.879	560.763	560.532	560.212	559.946	559.785	559.585	1
2	559.854	559.660	559.876	560.605	560.817	560.874	560.763	560.526	560.199	559.944	559.763	559.580	2
3	559.850	559.655	559.881	560.648	560.834	560.885	560.757	560.523	560.178	559.942	559.755	559.557	3
4	559.844	559.653	559.905	560.699	560.862	560.882	560.744	560.517	560.167	559.941	559.758	559.549	4
5	559.842	559.648	559.915	560.678	560.878	560.868	560.740	560.507	560.151	559.933	559.745	559.545	5
6	559.844	559.646	559.928	560.646	560.885	560.888	560.734	560.499	560.127	559.928	559.739	559.542	6
7	559.843	559.642	559.929	560.602	560.893	560.888	560.728	560.480	560.118	559.923	559.730	559.536	7
8	559.846	559.641	559.938	560.335	560.893	560.886	560.724	560.462	560.107	559.918	559.718	559.527	8
9	559.833	559.638	559.948	560.230	560.904	560.887	560.717	560.450	560.107	559.912	559.715	559.526	9
10	559.829	559.632	559.954	560.258	560.894	560.881	560.719	560.438	560.092	559.907	559.706	559.526	10
11	559.818	559.632	559.956	560.311	560.878	560.880	560.693	560.425	560.087	559.888	559.697	559.521	11
12	559.830	559.633	559.956	560.384	560.888	560.864	560.684	560.407	560.080	559.884	559.691	559.518	12
13	559.816	559.628	559.964	560.418	560.902	560.838	560.677	560.389	560.089	559.877	559.685	559.514	13
14	559.812	559.622	559.969	560.434	560.910	560.832	560.667	560.376	560.078	559.867	559.679	559.508	14
15	559.812	559.620	559.972	560.448	560.904	560.826	560.636	560.358	560.073	559.858	559.673	559.502	15
16	559.803	559.614	559.978	560.467	560.904	560.825	560.633	560.346	560.073	559.845	559.088	559.498	16
17	559.802	559.609	559.967	560.507	560.907	560.821	560.621	560.328	560.060	559.841	559.683	559.487	17
18	559.804	559.607	559.989	560.551	560.908	560.813	560.620	560.328	560.038	559.838	559.688	559.484	18
19	559.808	559.787	559.992	560.544	560.913	560.805	560.634	560.300	560.017	559.831	559.648	559.480	19
20	559.801	559.788	559.995	560.529	560.918	560.801	560.635	560.283	560.000	559.828	559.835	559.472	20
21	559.800	559.787	559.988	560.523	560.908	560.781	560.627	560.283	559.981	559.823	559.828	559.465	21
22	559.808	559.787	559.998	560.618	560.910	560.801	560.615	560.272	559.985	559.823	559.825	559.458	22
23	559.808	559.800	559.988	560.721	560.910	560.798	560.608	560.268	559.983	559.818	559.820	559.448	23
24	559.800	559.800	560.001	560.785	560.905	560.800	560.600	560.282	559.977	559.810	559.812	559.442	24
25	559.877	559.807	560.003	560.783	560.905	560.793	560.591	560.258	559.973	559.808	559.803	559.443	25
26	559.878	559.817	560.002	560.772	560.901	560.780	560.581	560.253	559.972	559.808	559.593	559.442	26
27	559.882	559.838	560.008	560.788	560.897	560.788	560.578	560.248	559.958	559.787	559.588	559.438	27
28	559.874	559.852	560.015	560.774	560.888	560.780	560.584	560.237	559.952	559.788	559.584	559.428	28
29	559.888		560.039	560.768	560.888	560.785	560.581	560.233	559.946	559.783	559.578	559.428	29
30	559.867		560.115	560.783	560.884	560.783	560.542	560.228	559.946	559.778	559.568	559.421	30
31	559.870		560.320		560.886		560.535	560.224		559.773		559.417	31
MEAN	559.910	559.627	559.981	560.587	560.890	560.825	560.654	560.363	560.058	559.880	559.688	559.481	MEAN
MAX	559.955	559.663	560.320	560.789	560.918	560.879	560.783	560.532	560.212	559.946	559.785	559.585	MAX
MIN	559.867	559.787	559.863	560.230	560.801	560.785	560.535	560.224	559.946	559.773	559.568	559.417	MIN

WATER LEVELS IN METRES

MEAN, 560.178
MAXIMUM DAILY, 560.918 ON MAY 20
MINIMUM DAILY, 559.417 ON DEC 31
MAXIMUM INSTANTANEOUS,
560.921 AT 17:15 CST ON MAY 20

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 05 49 N
LONG 103 01 25 W

REGULATED SINCE 1958

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - ADD 0.015 m TO CONVERT TO GSC (1978) DATUM

BOXELDER CREEK NEAR WALSH - STATION NO. 05AH001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.001	0.001	0.001	0.001	0	0	0	0	0	---	1
2	---	0 B	0.001	0.057	0.005	0.001	0	0	0	0	0A	---	2
3	---	0 B	0.001B	0.097	0.011	0.001	0	0	0	0	---	---	3
4	---	0 B	0.001B	0.050	0.007	0.001	0	0	0	0	---	---	4
5	---	0 B	0.001B	0.023	0.005	0.001	0	0	0	0	---	---	5
6	---	0 B	0.001B	0.011	0.005	0.001	0	0	0	0	---	---	6
7	---	0 B	0.001B	0.006	0.005	0.001	0	0	0	0	---	---	7
8	---	0 B	0.001B	0.001	0.006	0.001	0	0	0	0	---	---	8
9	---	0 B	0.001B	0.001	0.004	0	0	0	0	0	---	---	9
10	---	0 B	0.001B	0.001	0.001	0	0	0	0	0	---	---	10
11	---	0 B	0.001	0.001	0.001	0	0	0	0	0	---	---	11
12	---	0 B	0.001	0.001	0.001	0	0	0	0	0	---	---	12
13	---	0.001B	0.012	0.001	0.050	0	0	0	0	0	---	---	13
14	---	0.110B	0.045	0.001	0.171	0	0	0	0	0	---	---	14
15	---	0.158B	0.072	0.001	0.719	0	0	0	0	0	---	---	15
16	---	0.078B	0.015	0.001	0.881	0	0	0	0	0	---	---	16
17	---	0.088B	0.003	0.001	0.843	0	0	0	0	0	---	---	17
18	---	0.058B	0.015	0.001	0.885	0	0	0	0	0	---	---	18
19	---	0.017B	0.028	0.001	1.15	0	0	0	0	0	---	---	19
20	---	0.020B	0.012	0.040	0.907	0	0	0	0	0	---	---	20
21	---	0.048B	0.002	0.022	0.445	0	0	0	0	0	---	---	21
22	---	0.006	0.001	0.007	0.185	0	0.881	0	0	0	---	---	22
23	---	0.005	0.001	0.002	0.098	0	1.61	0	0	0	---	---	23
24	---	0.005	0.001	0.001	0.052	0	0.397	0	0	0	---	---	24
25	---	0.003	0.001	0.001	0.035	0	0.100	0	0	0	---	---	25
26	---	0.001	0.001	0.001	0.018	0	0.035	0	0	0	---	---	26
27	---	0.001	0.001	0.001	0.007	0	0.008	0	0	0	---	---	27
28	---	0.001	0.001	0.001	0.003	0	0.003	0	0	0	---	---	28
29	---		0.001	0.001	0.001	0	0.001	0	0	0	---	---	29
30	---		0.001	0.001	0.001	0	0.001	0	0	0	---	---	30
31	0B		0.001		0.001		0.001	0		0		---	31
TOTAL	---	0.593	0.228	0.335	5.882	0.008	3.018	0	0	0	---	---	TOTAL
MEAN	---	0.021	0.007	0.011	0.215	0	0.097	0	0	0	---	---	MEAN
MAX	---	0.158	0.072	0.057	1.15	0.001	1.61	0	0	0	---	---	MAX
MIN	---	0	0.001	0.001	0.001	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.042
MAXIMUM DAILY, 1.61 ON JUL 23
MINIMUM DAILY, 0 ON JUN 9
MAXIMUM INSTANTANEOUS,
2.02 AT 03:30 MST ON JUL 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 57 38 N
LONG 105 59 19 W
DRAINAGE AREA, 319 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	281
FEB	51.2	AUG	0
MAR	19.7	SEP	0
APR	28.9	OCT	0
MAY	577	NOV	---
JUN	0.69	DEC	---

TOTAL DISCHARGE, 887 dam³

BRADWELL INLET CANAL ABOVE BRADWELL RESERVOIR - STATION NO. 05HG010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0.311E	0.411E	0	0	---	---	1
2	---	---	0	0	0	0	0.319E	0.423	0	0	---	---	2
3	---	---	0	0	0	0	0.328E	0.392	0	0	---	---	3
4	---	---	0	0	0	0	0.338E	0.392	0	0	---	---	4
5	---	---	0	0	0	0	0.344	0.395	0	0	---	---	5
6	---	---	0	0	0	0	0.344	0.338E	0	0	---	---	6
7	---	---	0	0	0	0	0.336E	0.282E	0	0	---	---	7
8	---	---	0	0	0	0	0.326	0.226E	0	0	---	---	8
9	---	---	0	0	0	0	0.389E	0.189	0	0	---	---	9
10	---	---	0	0	0	0	0.451E	0.088	0	0	---	---	10
11	---	---	0	0	0	0	0.512	0.480	0	0	---	---	11
12	---	---	0	0	0	0	0.294	0.516	0	0	---	---	12
13	---	---	0	0	0	0	0.294	0.448E	0	0	---	---	13
14	---	---	0	0	0	0	0.289	0.379E	0	0	---	---	14
15	---	---	0	0	0	0	0.283	0.311	0	0	---	---	15
16	---	---	0	0	0	0	0.293E	0.297	0	0	---	---	16
17	---	---	0	0	0	0	0.303E	0.338	0	0	---	---	17
18	---	---	0	0	0	0	0.313E	0.311	0	0	---	---	18
19	---	---	0	0	0	0	0.322	0.311	0	0	---	---	19
20	---	---	0	0	0	0	0.331	0.311E	0	0	---	---	20
21	---	---	0	0	0	0	0.387	0.311	0	0	---	---	21
22	---	---	0	0	0	0	0.357	0	0	0	---	---	22
23	---	---	0	0	0	0	0.365E	0	0	0	---	---	23
24	---	---	0	0	0	0	0.353E	0	0	0	---	---	24
25	---	---	0	0	0	0	0.350	0	0	0	---	---	25
26	---	---	0	0	0	0	0.341	0	0	0	---	---	26
27	---	---	0	0	0	0	0.341	0	0	0	---	---	27
28	---	---	0	0	0	0.306	0.382	0	0	0	---	---	28
29	---		0	0	0	0.308	0.376	0	0	0	---	---	29
30	---		0	0	0	0.303	0.368E	0	0	0	---	---	30
31	---		0		0		0.399E	0		0		---	31
TOTAL	---	---	0	0	0	0.917	10.759	7.129	0	0	---	---	TOTAL
MEAN	---	---	0	0	0	0.031	0.347	0.230	0	0	---	---	MEAN
MAX	---	---	0	0	0	0.308	0.512	0.516	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0.283	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.077
MAXIMUM DAILY, 0.516 ON AUG 12
MINIMUM DAILY, 0 ON MAR 1

DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 54 38 N
LONG 108 13 54 W

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	930
FEB	---	AUG	518
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	79.2	DEC	---

TOTAL DISCHARGE, 1 530 dam³

BRADWELL RESERVOIR AT PUMP STATION - STATION NO. 05HE013

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	530.114	530.078	---	530.044	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	529.795	2
3	---	---	---	---	---	---	---	530.142	530.114	---	---	---	3
4	530.145	530.110	---	530.050	---	---	---	---	---	529.885	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
							529.810	---	---	529.881	---	529.799	
6	---	---	---	---	---	529.805	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	530.108	---	---	---	---	---	---	---	---	---	---	8
9	---	530.107	---	---	---	---	---	530.074	---	---	529.852	---	9
10	530.132	---	530.068	---	---	---	---	---	530.084	529.885	---	---	10
11	---	---	530.071	530.047	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	529.948	---	---	528.958	---	529.780	13
14	---	530.095	---	---	530.020	528.841	---	---	---	528.948	---	---	14
15	---	---	---	---	---	---	---	---	---	---	529.848	---	15
16	---	---	530.081	---	---	---	---	530.089	---	---	---	---	16
17	530.123	---	---	---	530.023	---	---	---	530.058	---	---	---	17
18	---	530.083	530.023	530.040	---	---	530.008	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	530.138	---	529.915	---	---	20
21	530.115	530.089	---	---	530.008	529.780	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	530.033	---	---	---	24
25	---	---	---	---	530.014	---	---	530.180	---	529.908	---	---	25
					---	---	530.082	---	---	---	528.811	---	
26	530.118	---	---	---	---	---	---	---	---	---	---	529.715	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	530.113	530.081	530.025	---	---	---	---	---	---	---	---	---	28
29	---		---	---	529.888	---	---	---	---	---	---	---	29
30	---		---	---	---	---	---	---	---	---	---	---	30
31	---		---	---	---	---	---	---	529.987	---	---	---	31
										525.888		---	
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 530.190 ON AUG 24

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 58 00 N
LONG 108 10 40 W
DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

REGULATED

BRIDGE CREEK AT GULL LAKE - STATION NO. 05HA015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0528	4.15	0.148	0.228	0	0	0	0	---	---	1
2	---	---	0.0488	1.81	0.134	0.157	0	0	0	0	---	---	2
3	---	---	0.0388	0.881	0.118	0.151	0	0	0	0	---	---	3
4	---	---	0.0588	0.881	0.104	0.226	0	0	0	0	---	---	4
5	---	---	0.0318	0.978	0.094	0.227	0	0	0	0	---	---	5
6	---	---	0.0388	1.11	0.084	0.183	0		0	0	---	---	6
7	---	---	0.0328	1.12	0.071	0.113	0	0	0	0	---	---	7
8	---	---	0.0268	1.04	0.061	0.088	0	0	0	0	---	---	8
9	---	---	0.0258	0.985	0.086	0.043	0	0	0	0	---	---	9
10	---	---	0.0288	0.878	0.233	0.026	0	0	0	0	---	---	10
11	---	---	0.4108	0.785	0.343	0.033	0.001	0	0	0	---	---	11
12	---	---	0.8308	0.885	0.410	0.043	0.001	0	0	0	---	---	12
13	---	---	0.409	0.581	0.385	0.033	0	0	0	0	---	---	13
14	---	0.8448	0.208	0.510	0.328	0.022	0	0	0	0	---	---	14
15	---	0.8478	0.152	0.465	0.318	0.015	0	0	0	0	---	---	15
16	---	0.3398	0.094	0.380	0.308	0.011	0	0	0	0	---	---	16
17	---	0.1978	0.083	0.320	0.336	0.007	0	0	0	0	---	---	17
18	---	0.1388	0.057	0.275	0.427	0.004	0	0	0	0	---	---	18
19	---	0.0948	0.037	0.228	0.480	0.003	0	0	0	0	---	---	19
20	---	0.0888	0.025	0.188	0.455	0.001	0	0	0	0	---	---	20
21	---	0.0818	0.030	0.184	0.428	0	0	0	0	0	---	---	21
22	---	0.0498	0.018	0.185	0.391	0	0	0	0	0	---	---	22
23	---	0.0478	0.018	0.180	0.380	0	0	0	0	0	---	---	23
24	---	0.0588	0.021	0.172	0.308	0	0	0	0	0	---	---	24
25	---	0.0538	0.024	0.171	0.280	0	0	0	0	0	---	---	25
26	---	0.0838	0.026	0.175	0.221	0	0	0	0	0	---	---	26
27	---	0.0728	0.028	0.177	0.188	0	0	0	0	0	---	---	27
28	---	0.0808	0.044	0.188	0.149	0	0	0	0	0	---	---	28
29	---		0.152	0.187	0.108	0	0	0	0	0	---	---	29
30	---		0.841	0.187	0.085	0	0	0	0	0	---	---	30
31	---		1.99		0.211		0	0	0	0	---	---	31
TOTAL	---	---	5.538	20.087	7.837	1.584	0.002	0	0	0	---	---	TOTAL
MEAN	---	---	0.179	0.669	0.268	0.053	0	0	0	0	---	---	MEAN
MAX	---	---	1.99	4.15	0.480	0.228	0.001	0	0	0	---	---	MAX
MIN	---	---	0.018	0.187	0.061	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.142
MAXIMUM DAILY, 4.15 ON APR 1
MINIMUM DAILY, 0 ON JUN 21
MAXIMUM INSTANTANEOUS,
4.508 AT 11:50 CST ON APR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 05 38 N
LONG 108 29 38 W
DRAINAGE AREA, 378 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0.17
FEB	---	AUG	0
MAR	478	SEP	0
APR	1 730	OCT	0
MAY	880	NOV	---
JUN	137	DEC	---

TOTAL DISCHARGE, 3 010 dam³

BRIGHTSAND LAKE NEAR ST. WALBURG - STATION NO. 05EG010

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	663.189	663.244	663.185	663.138	663.090	663.041E	---	1
2	---	---	---	---	---	663.183	663.239E	663.190	663.131	663.083E	663.037	---	2
3	---	---	---	---	---	663.183E	663.234	663.198E	663.126	663.078	663.042	---	3
4	---	---	---	---	---	663.183	663.234E	663.205	663.129E	663.075	663.042	---	4
5	---	---	---	---	---	663.183E	663.234	663.198E	663.132E	663.078E	663.042	---	5
6	---	---	---	---	---	663.183	663.234E	663.190	663.136	663.075	663.042E	---	6
7	---	---	---	---	---	663.183E	663.234	663.190E	663.133E	663.074E	663.042	---	7
8	---	---	---	---	---	663.183	663.239E	663.190	663.130	663.074	663.046E	---	8
9	---	---	---	---	---	663.183E	663.244	663.188E	663.128E	663.073E	663.050	---	9
10	---	---	---	---	---	663.183	663.244E	663.185	663.125	663.071	663.050E	---	10
11	---	---	---	---	---	663.187E	663.244	663.180E	663.123E	663.087E	663.050	---	11
12	---	---	---	---	---	663.190E	663.244E	663.175	663.120	663.083	663.050E	---	12
13	---	---	---	---	---	663.193	663.244	663.185	663.118E	663.058E	663.050	---	13
14	---	---	---	---	---	663.193E	663.244E	663.185E	663.115	663.053	663.050E	---	14
15	---	---	---	---	---	663.193	663.244	663.185	663.114E	663.053E	663.050	---	15
16	---	---	---	---	---	663.194E	663.240E	663.181E	663.113	663.053	663.047E	---	16
17	---	---	---	---	---	663.194	663.235	663.176	663.118E	663.053E	663.045E	---	17
18	---	---	---	---	---	663.194	663.228E	663.188E	663.123	663.053	663.042	---	18
19	---	---	---	---	---	663.194	663.215	663.158	663.114E	663.053E	663.042E	---	19
20	---	---	---	---	---	663.177E	663.215	663.155	663.108	663.053	663.041E	---	20
21	---	---	---	---	---	663.170E	663.215E	663.148	663.103E	663.053E	663.041	---	21
22	---	---	---	---	---	663.184	663.215	663.146	663.100	663.053	663.041E	---	22
23	---	---	---	---	---	663.174E	663.215	663.146E	663.100E	663.053E	663.041	---	23
24	---	---	---	---	---	663.184	663.225	663.146	663.098	663.053E	---	---	24
25	---	---	---	---	---	663.184	663.225	663.143E	663.098E	663.053	---	---	25
26	---	---	---	---	---	663.178E	663.217	663.141	663.098	663.051E	---	---	26
27	---	---	---	---	---	663.184	663.225	663.141	663.098E	663.050E	---	---	27
28	---	---	---	---	---	663.190E	663.227	663.138E	663.097E	663.048	---	---	28
29	---		---	---	---	663.204	663.215	663.138	663.096	663.047E	---	---	29
30	---		---	---	---	663.224E	663.210E	663.135E	663.096	663.048E	---	---	30
31	---		---		---		663.205	663.134		663.044		---	31
MEAN	---	---	---	---	---	663.185	663.230	663.158	663.115	663.061	---	---	MEAN
MAX	---	---	---	---	---	663.224	663.244	663.205	663.138	663.090	---	---	MAX
MIN	---	---	---	---	---	663.184	663.205	663.134	663.096	663.044	---	---	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MAXIMUM DAILY, 663.244 ON JUL 1

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 38 38 N
LONG 108 50 46 W

E - ESTIMATED

DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

BRIGHTWATER CREEK BELOW BRIGHTWATER RESERVOIR - STATION NO 05HG015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	1.15	0	0	0	0	0	---	---	1
2	---	---	0	0	1.34	0	0	0	0	0	---	---	2
3	---	---	0	0	1.51	0	0	0	0	0	---	---	3
4	---	---	0	0.997	1.53	0	0	0	0	0	---	---	4
5	---	---	0	2.58	1.54	0	0	0	0	0	---	---	5
6	---	---	0	3.93	1.54	0	0	0	0	0	---	---	6
7	---	---	0	4.53	1.54	0	0	0	0	0	---	---	7
8	---	---	0	4.18	1.51	0	0	0	0	0	---	---	8
9	---	---	0	3.89	1.18	0	0	0	0	0	---	---	9
10	---	---	0	3.88	0.792	0	0	0	0	0	---	---	10
11	---	---	0	3.86	0.800	0	0	0	0	0	---	---	11
12	---	---	0	3.81	0	0	0	0	0	0	---	---	12
13	---	---	0	4.00	0	0	0	0	0	0	---	---	13
14	---	---	0	3.94	0	0	0	0	0	0	---	---	14
15	---	---	0	3.83	0	0	0	0	0	0	---	---	15
16	---	---	0	3.73	0	0	0	0	0	0	---	---	16
17	---	---	0	3.62	0	0	0	0	0	0	---	---	17
18	---	---	0	3.81	0	0	0	0	0	0	---	---	18
19	---	---	0	2.32	0	0	0	0	0	0	---	---	19
20	---	---	0	0.842	0	0	0	0	0	0	---	---	20
21	---	---	0	0	0	0	0	0	0	0	---	---	21
22	---	---	0	0	0	0	0	0	0	0	---	---	22
23	---	---	0	0	0	0	0	0	0	0	---	---	23
24	---	---	0	0	0	0	0	0	0	0	---	---	24
25	---	---	0	0	0	0	0	0	0	0	---	---	25
26	---	---	0	0.188	0	0	0	0	0	0	---	---	26
27	---	---	0	0.342	0	0	0	0	0	0	---	---	27
28	---	---	0	0.883	0	0	0	0	0	0	---	---	28
29	---		0	1.14	0	0	0	0	0	0	---	---	29
30	---		0	1.18	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	0	61.070	14.232	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	2.04	0.459	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	4.53	1.54	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.307
MAXIMUM DAILY, 4.53 ON APR 7
MINIMUM DAILY, 0 ON MAR 1

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 37 05 N
LONG 108 32 42 W
DRAINAGE AREA, 1 530 km²

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	5 280	OCT	0
MAY	1 230	NOV	---
JUN	0	DEC	---

DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

REGULATED SINCE 1967

TOTAL DISCHARGE, 6 510 dam³

BRIGHTWATER CREEK NEAR KENASTON - STATION NO. 05HE002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.008A	0	0	0	2.09	0	0	---	---	1
2	---	---	0 B	0.007E	0	0	0	1.82	0	0	---	---	2
3	---	---	0 B	0.006E	0	0	0	1.33	0	0	---	---	3
4	---	---	0 B	0.003E	0	0	0	1.03	0	0	---	---	4
5	---	---	0 B	0.002E	0	0	0	0.809	0	0	---	---	5
6	---	---	0 B	0.001A	0	0	0	0.637	0	0	---	---	6
7	---	---	0 B	0.001	0	0	0	0.505	0	0	---	---	7
8	---	---	0 B	0.001	0	0	0	0.395	0	0	---	---	8
9	---	---	0 B	0	0	0	0.008	0.312	0	0	---	---	9
10	---	---	0 B	0	0	0	9.84	0.262	0	0	---	---	10
11	---	---	0 B	0	0	0	4.71	0.232	0	0	---	---	11
12	---	---	0 B	0	0	0	2.88	0.211	0	0	---	---	12
13	---	---	0 B	0	0	0	3.11	0.190	0	0	---	---	13
14	---	---	0 B	0	0	0	1.87	0.162	0	0	---	---	14
15	---	---	0 B	0	0	0	0.917	0.141	0	0	---	---	15
16	---	---	0 B	0	0.003	0	0.630	0.121	0	0	---	---	16
17	---	---	0 B	0	0.001	0	0.483	0.104	0	0	---	---	17
18	---	---	0 B	0.011	0.001	0	0.437	0.087	0	0	---	---	18
19	---	---	0 B	0.015	0	0	0.380	0.070	0	0	---	---	19
20	---	---	0 B	0.013	0	0	0.398	0.049	0	0	---	---	20
21	---	---	0 B	0.009	0.008	0	0.894	0.039	0	0	---	---	21
22	---	---	0 B	0.005	0.010	0	3.03	0.032	0	0	---	---	22
23	---	---	0 B	0.003	0.008	0	2.74	0.025	0	0	---	---	23
24	---	---	0 B	0.001	0.006	0	1.43	0.018	0	0	---	---	24
25	---	---	0 B	0.001	0.003	0	0.868	0.014	0	0	---	---	25
26	---	---	0 B	0.001	0.002	0	0.621	0.011	0	0	---	---	26
27	---	---	0 B	0.001	0.001	0	0.508	0.009	0	0	---	---	27
28	---	---	0.002B	0.001	0	0	0.449	0.005	0	0	---	---	28
29	---		0.060B	0.001	0	0	0.387	0.002	0	0	---	---	29
30	---		0.014	0.001	0	0	0.328	0.001	0	0	---	---	30
31	---		0.013		0		2.88	0		0		---	31
TOTAL	---	---	0.089	0.092	0.040	0	36.896	10.503	0	0	---	---	TOTAL
MEAN	---	---	0.003	0.003	0.001	0	1.25	0.339	0	0	---	---	MEAN
MAX	---	---	0.060	0.015	0.010	0	9.84	2.09	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.203
MAXIMUM DAILY, 9.84 ON JUL 10
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
16.6 AT 10:32 CST ON JUL 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 33 45 N
LONG 106 30 03 W
DRAINAGE AREA, 888 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 380
FEB	---	AUG	907
MAR	7.89	SEP	0
APR	7.85	OCT	0
MAY	3.46	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 4 290 dam³

BRIGHTWATER CREEK NEAR PROCTOR LAKE - STATION NO. 05HE030

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0	0	0	0	---	---	1
2	---	---	0	0	0	0	0	0	0	0	---	---	2
3	---	---	0	0	0.007	0	0	0	0	0	---	---	3
4	---	---	0	0	0.078	0	0	0	0	0	---	---	4
5	---	---	0	0	0.118	0	0	0	0	0	---	---	5
6	---	---	0	1.67 B	0.144	0	0	0	0	0	---	---	6
7	---	---	0	4.18 B	0.189	0	0	0	0	0	---	---	7
8	---	---	0	4.85 B	0.208	0	0	0	0	0	---	---	8
9	---	---	0	4.08 B	0.221	0	0	0	0	0	---	---	9
10	---	---	0	3.91	0.114	0	0	0	0	0	---	---	10
11	---	---	0	3.78	0	0	0	0	0	0	---	---	11
12	---	---	0	3.82	0	0	0	0	0	0	---	---	12
13	---	---	0	3.82	0	0	0	0	0	0	---	---	13
14	---	---	0	3.72	0	0	0	0	0	0	---	---	14
15	---	---	0	3.85	0	0	0	0	0	0	---	---	15
16	---	---	0	3.55	0	0	0	0	0	0	---	---	16
17	---	---	0	3.41	0	0	0	0	0	0	---	---	17
18	---	---	0	3.32	0	0	0	0	0	0	---	---	18
19	---	---	0	3.43	0	0	0	0	0	0	---	---	19
20	---	---	0	1.33	0	0	0	0	0	0	---	---	20
21	---	---	0	0.278	0	0	0	0	0	0	---	---	21
22	---	---	0	0	0	0	0	0	0	0	---	---	22
23	---	---	0	0	0	0	0	0	0	0	---	---	23
24	---	---	0	0	0	0	0	0	0	0	---	---	24
25	---	---	0	0	0	0	0	0	0	0	---	---	25
26	---	---	0	0	0	0	0	0	0	0	---	---	26
27	---	---	0	0	0	0	0	0	0	0	---	---	27
28	---	---	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	0	52.149	1.058	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	1.74	0.034	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	4.85	0.221	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.217
MAXIMUM DAILY, 4.85B ON APR 8
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
5.04B AT 00:00 CST ON APR 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 42 48 N
LONG 106 35 36 W
DRAINAGE AREA, 1 750 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	4 510	OCT	0
MAY	81.4	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 4 800 dam³

BRIGHTWATER RESERVOIR AT RIPARIAN OUTLET - STATION NO. OSHS005

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	545.275	545.282	545.281	545.315	543.282E	544.945	545.312E	545.910E	545.578	545.782E	545.634E	545.631	1
2	545.278E	545.282E	545.281	545.338	543.278	544.916	545.334E	545.937	545.581	545.768E	545.634	545.643	2
3	545.275E	545.282	545.281E	545.353	543.668	544.897	545.356E	545.929	545.600E	545.765	545.634E	545.640E	3
4	545.276E	545.282E	545.281	545.388	543.745	544.883E	545.377E	545.892	545.619E	545.735	545.634	545.637E	4
5	545.275E	545.282E	545.281E	545.324	543.812	544.870E	545.398	545.847	545.639E	545.715	545.634E	545.634	5
6	545.275E	545.282E	545.281E	545.211	543.938	544.858	545.423	545.784E	545.658	545.686	545.634E	545.634E	6
7	545.275	545.282	545.281	545.019	543.986E	544.838	545.437	545.720E	545.677	545.684	545.634	545.634	7
8	545.275E	545.282E	545.281E	544.848	544.035E	544.816	545.428	545.657	545.688	545.680E	545.634E	545.635E	8
9	545.274E	545.282	545.281	544.670E	544.083	544.788	545.478	545.652	545.711	545.678E	545.634	545.636	9
10	545.274	545.282E	545.281E	544.493E	544.284	544.803	545.618	545.652	545.734E	545.673	545.619	545.639E	10
11	545.278E	545.282	545.281	544.315	544.386	544.820E	545.778	545.652	545.787E	545.673	545.623E	545.636E	11
12	545.275	545.281E	545.278E	544.120	544.508	544.838E	545.788	545.647	545.781	545.673E	545.627E	545.636	12
13	545.273E	545.280E	545.281E	543.931	544.628	544.855	545.778	545.685E	545.798	545.673	545.630E	545.636E	13
14	545.271	545.259	545.306	543.699	544.738E	544.858	545.818	545.683E	545.826	545.671E	545.634	545.634	14
15	545.276	545.280E	545.308E	543.501	544.838E	544.898	545.753	545.702	545.808	545.680E	545.634E	545.634E	15
16	545.274E	545.281	545.306	543.285E	544.838	544.938	545.677E	545.722	545.796	545.667E	545.634	545.634E	16
17	545.273E	545.281E	545.308E	543.088E	544.971E	544.973	545.802E	545.737	545.787E	545.684	545.634E	545.634E	17
18	545.271E	545.281	545.309	542.852	545.003	544.998E	545.527	545.717	545.788E	545.658E	545.634	545.634E	18
19	545.269	545.259E	545.309E	542.654	545.038	545.023E	545.500	545.707	545.800	545.652E	545.634E	545.634	19
20	545.269	545.257E	545.306E	542.334	545.058	545.048	545.524	545.691E	545.800	545.648E	545.634E	545.634E	20
21	545.269E	545.255	545.308	542.373	545.053	545.073	545.525	545.676E	545.805	545.639	545.634	545.634E	21
22	545.269E	545.255E	545.308E	542.392	545.033	545.277	545.697	545.681E	545.806	545.638E	545.632E	545.634E	22
23	545.269E	545.254	545.308	542.387E	545.038E	545.475	545.747E	545.686E	545.806	545.638E	545.629	545.634	23
24	545.269	545.254E	545.308	542.343E	545.038E	545.773	545.797E	545.631	545.802E	545.638E	545.629E	545.634E	24
25	545.268E	545.254	545.308	542.318	545.038	545.801E	545.847	545.698	545.788E	545.637E	545.629	545.634E	25
26	545.268E	545.256E	545.303E	542.364	545.013	545.429E	545.879	545.568	545.784E	545.637E	545.629E	545.634	26
27	545.267E	545.256E	545.298E	542.852	544.995	545.257	545.869	545.638E	545.790	545.638E	545.630E	545.634E	27
28	545.266	545.261	545.293	543.056	544.983E	545.278	545.857	545.603	543.780	545.638E	545.630E	545.634	28
29	545.265E		545.292E	543.227	544.970E	545.297	545.827	545.516	545.795	545.635E	545.631E	545.634E	29
30	545.265E		545.291	543.244E	544.958	545.291	545.655E	545.537	545.795	545.635E	545.631	545.634	30
31	545.264		545.291		544.943		545.882E	545.553		545.634		545.638	31
MEAN	545.271	545.260	545.287	543.709	544.557	545.054	545.638	545.668	545.747	545.671	545.632	545.635	MEAN
MAX	545.278	545.282	545.309	545.388	545.058	545.773	545.882	545.937	545.826	545.782	545.634	545.643	MAX
MIN	545.264	545.254	545.281	542.318	543.282	544.798	545.312	545.603	545.578	545.634	545.619	545.631	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MEAN, 545.265
MAXIMUM DAILY, 545.937 ON AUG 2
MINIMUM DAILY, 542.318 ON APR 25

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 36 47 N
LONG 106 32 08 W

DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

E - ESTIMATED

REGULATED SINCE 1967

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

BRODERICK IRRIGATION PROJECT MAIN CANAL BELOW PUMPING STATION - STATION NO. OSHF007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	5.28	9.87	5.88	5.88	0	---	---	1
2	---	---	0	0	3.53	5.28	9.87	5.88	5.88	0	---	---	2
3	---	---	0	0	5.17	5.28	9.88	5.88	1.66	0	---	---	3
4	---	---	0	0	5.17	5.30	4.98	5.88	0	0	---	---	4
5	---	---	0	0	5.17	5.31	0.914	5.88	0	0	---	---	5
6	---	---	0	0	5.95	5.31	7.83	5.88	0.514	0	---	---	6
7	---	---	0	0	9.32	2.67	9.92	5.88	0	0	---	---	7
8	---	---	0	0	9.34	5.38	9.92	5.88	0.757	0	---	---	8
9	---	---	0	0	9.38	5.38	9.85	5.88	0.857	0	---	---	9
10	---	---	0	0	6.84	5.38	9.85	5.88	0.871	0	---	---	10
11	---	---	0	0	4.56	5.81	2.08	5.88	0	0	---	---	11
12	---	---	0	0	5.21	9.71	0	5.88	0	0	---	---	12
13	---	---	0	0	5.21	9.71	0	5.88	0	0	---	---	13
14	---	---	0	0	5.21	9.74	0.537	5.88	0	0	---	---	14
15	---	---	0	0	5.21	9.74	0	5.88	0	0	---	---	15
16	---	---	0	0	5.21	9.77	1.11	5.88	1.13	0	---	---	16
17	---	---	0	0	5.23	9.77	0.928	5.88	0	0	---	---	17
18	---	---	0	0	5.23	9.80	4.04	5.88	0	0	---	---	18
19	---	---	0	0	2.81	9.80	5.80	5.88	0	0	---	---	19
20	---	---	0	0	0	9.80	5.81	5.88	0	0	---	---	20
21	---	---	0	0	0	9.80	5.84	5.88	3.78	0	---	---	21
22	---	---	0	0	0	9.82	5.84	5.88	5.84	0	---	---	22
23	---	---	0	0	0	9.82	5.85	5.88	5.84	0	---	---	23
24	---	---	0	0	0	9.82	5.85	5.88	5.83	0	---	---	24
25	---	---	0	0	0	9.84	5.87	5.88	5.83	0	---	---	25
26	---	---	0	0	2.24	9.84	5.87	5.88	5.83	0	---	---	26
27	---	---	0	0	5.24	9.84	5.87	5.88	5.81	0	---	---	27
28	---	---	0	0	5.24	9.84	5.87	5.88	5.81	0	---	---	28
29	---		0	0	5.24	9.85	5.87	5.88	1.88	0	---	---	29
30	---		0	0	5.24	9.85	5.87	5.88	0	0	---	---	30
31	---		0		5.26		5.88	5.88		0		---	31
TOTAL	---	---	0	0	132.85	245.46	185.268	176.08	81.878	0	---	---	TOTAL
MEAN	---	---	0	0	4.29	8.18	5.33	5.88	2.08	0	---	---	MEAN
MAX	---	---	0	0	9.38	9.85	9.85	5.88	5.88	0	---	---	MAX
MIN	---	---	0	0	0	2.67	0	5.88	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.19
MAXIMUM DAILY, 9.85 ON JUL 9
MINIMUM DAILY, 0 ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 17 07 N
LONG 106 50 10 W

DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	14 300
FEB	---	AUG	15 200
MAR	0	SEP	8 330
APR	0	OCT	0
MAY	11 500	NOV	---
JUN	21 200	DEC	---

TOTAL DISCHARGE, 67 500 dam³

BADDERICK RESERVOIR AT WEST EMBANKMENT - STATION NO. 05NF017

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	582.815E	582.842	582.225	583.308	582.731	583.084	582.875	582.851	582.985	---	1
2	---	---	582.815A	582.845	582.122	583.382	582.717	582.020	582.831	582.852	582.980	---	2
3	---	---	582.818E	582.846	582.089	582.409	582.762	582.818	582.867	582.858	582.985A	---	3
4	---	---	582.817E	582.848	582.110	583.452	582.681	582.808	582.820	582.873	---	---	4
5	---	---	582.818E	582.848	582.110	583.493	582.672	582.701	582.887	582.885	---	---	5
6	---	---	582.819E	582.848	582.113	583.521	582.674	582.582	582.792	582.894	---	---	6
7	---	---	582.821E	582.848	582.171	583.519	583.025	582.487	582.728	582.898	---	---	7
8	---	---	582.823A	582.847	582.271	583.487	583.190	582.337	582.687	582.898	---	---	8
9	---	---	582.815	582.848	582.368	583.470	583.284	582.218	582.804	582.897	---	---	9
10	---	---	582.815	582.849	582.504	583.441	583.240	582.133	582.529	582.896	---	---	10
11	---	---	582.821	582.851	582.605	583.418	583.269	582.030	582.477	582.898	---	---	11
12	---	---	582.822	582.851	582.657	583.482	583.256	581.981	582.425	582.899	---	---	12
13	---	---	582.828	582.852	582.710	583.506	583.231	581.943	582.384	582.901	---	---	13
14	---	---	582.836	582.853	582.785	583.524	583.202	581.947	582.355	582.900	---	---	14
15	---	---	582.836	582.852	582.846	583.531	583.161	581.951	582.321	582.897	---	---	15
16	---	---	582.838	582.853	582.890	583.525	583.108	581.955	582.283	582.894	---	---	16
17	---	---	582.838	582.855	582.938	583.513	583.467	581.993	582.237	582.891	---	---	17
18	---	---	582.838	582.854	583.005	583.489	583.429	582.041	582.212	582.878	---	---	18
19	---	---	582.834	582.855	583.161	583.456	583.378	582.092	582.178	582.873	---	---	19
20	---	---	582.834	582.855	583.144	583.423	583.330	582.183	582.180	582.878	---	---	20
21	---	---	582.824	582.858	583.114	583.378	583.271	582.213	582.149	582.878	---	---	21
22	---	---	582.821	582.853	583.080	583.314	583.281	582.278	582.235	582.878	---	---	22
23	---	---	582.821	582.852	583.080	583.233	583.290	582.336	582.350	582.878	---	---	23
24	---	---	582.823	582.853	583.016	583.150	583.322	582.384	582.462	582.871	---	---	24
25	---	---	582.827	582.858	582.971	583.084	583.365	582.436	582.571	582.889	---	---	25
26	---	---	582.825	582.774	582.948	582.988	583.376	582.492	582.673	582.870	---	---	26
27	---	---	582.828	582.868	583.000	582.933	583.387	582.551	582.786	582.889	---	---	27
28	---	---	582.829	582.868	583.057	582.874	583.336	582.618	582.852	582.886	---	---	28
29	---	---	582.832	582.446	583.118	582.820	583.291	582.681	582.827	582.886	---	---	29
30	---	---	582.837	582.334	583.167	582.789	583.228	582.747	582.940	582.885	---	---	30
31	---	---	582.841		583.252		583.185	582.810		582.885		---	31
MEAN	---	---	582.824	582.801	582.735	583.328	583.272	582.383	582.580	582.878	---	---	MEAN
MAX	---	---	582.841	582.858	583.252	583.531	583.688	583.084	582.987	582.898	---	---	MAX
MIN	---	---	582.815	582.334	582.089	582.789	582.717	581.943	582.148	582.851	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 583.688 ON JUL 11
MINIMUM DAILY, 581.943 ON AUG 13
MAXIMUM INSTANTANEOUS,
583.881 AT 16:22 CST ON JUL 11

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 27 55 N
LONG 104 55 15 W

A - MANUAL GAUGE
E - ESTIMATED

REGULATED SINCE 1958

BROKENSHELL CREEK NEAR TROSSACHS - STATION NO 05JE008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.058	0.003	0	0	0	0	---	---	1
2	---	---	0B	0 B	0.034	0.012	0	0	0	0	---	---	2
3	---	---	0B	0.0158	0.016	0.010A	0	0	0	0	---	---	3
4	---	---	0B	0.0268	0.013	0.0082	0	0	0	0	---	---	4
5	---	---	0B	0.0538	0.006	0.0038	0	0	0	0	---	---	5
6	---	---	0B	0.5218	0.013	0.001A	0	0	0	0	---	---	6
7	---	---	0B	1.23 B	0.008	0	0	0	0	0	---	---	7
8	---	---	0B	3.86 B	0.005	0	0	0	0	0	---	---	8
9	---	---	0B	7.35	0.008	0	0	0	0	0	---	---	9
10	---	---	0B	10.7	0.009	0.010	0	0	0	0	---	---	10
11	---	---	0B	10.0	0.008	0.006	0	0	0	0	---	---	11
12	---	---	0B	10.2	0.010	0.009	0	0	0	0	---	---	12
13	---	---	0B	9.47	0.027	0.007	0	0	0	0	---	---	13
14	---	---	0B	8.63	0.457	0.003	0	0	0	0	---	---	14
15	---	---	0B	8.19	1.27	0.002	0	0	0	0	---	---	15
16	---	---	0B	8.94	0.841	0.004	0	0	0	0	---	---	16
17	---	---	0B	8.87	0.701	0.001	0	0	0	0	---	---	17
18	---	---	0B	7.83	0.888	0	0	0	0	0	---	---	18
19	---	---	0B	8.47	0.505	0	0	0	0	0	---	---	19
20	---	---	0B	8.40	0.318	0	0	0	0	0	---	---	20
21	---	---	0B	2.35	0.188	0	0	0	0	0	---	---	21
22	---	---	0B	1.38	0.112	0	0	0	0	0	---	---	22
23	---	---	0B	0.771	0.078	0	0	0	0	0	---	---	23
24	---	---	0B	0.510	0.071	0	0	0	0	0	---	---	24
25	---	---	0B	0.357	0.060	0	0	0	0	0	---	---	25
26	---	---	0B	0.228	0.100	0	0	0	0	0	---	---	26
27	---	---	0B	0.155	0.038	0	0	0	0	0	---	---	27
28	---	---	0B	0.135	0.032	0	0	0	0	0	---	---	28
29	---		0B	0.085	0.021	0	0	0	0	0	---	---	29
30	---		0B	0.085	0.023	0	0	0	0	0	---	---	30
31	---		0B		0.016		0	0		0		---	31
TOTAL	---	---	0	105.571	5.746	0.083	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	3.52	0.185	0.003	0	0	0	0	---	---	MEAN
MAX	---	---	0	10.0	1.27	0.012	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0.005	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.455
MAXIMUM DAILY, 10.0 ON APR 11
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
17.5 AT 08:48 CST ON APR 11

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 38 55 N
LONG 104 13 07 W
DRAINAGE AREA, 183 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	9 120	OCT	0
MAY	495	NOV	---
JUN	7.17	DEC	---

TOTAL DISCHARGE, 9 630 dam³

BUFFALO POUND LAKE AT PUMPING STATION - STATION NO. 05JE009

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	509.432	509.414	509.403	509.505	509.575	509.304	509.278	509.401	509.406	509.525	509.528	509.540	1
2	509.431	509.412	509.407	509.533	509.566	509.323	509.284	509.416	509.436	509.526	509.478	509.538	2
3	509.432	509.412	509.409	509.585	509.565	509.315	509.316	509.414	509.414	509.525	509.505	509.540	3
4	509.432	509.412	509.412	509.558	509.535	509.286	509.302	509.428	509.401	509.533	509.526	509.539	4
5	509.432	509.411	509.412	509.570	509.509	509.286	509.294	509.412	509.450	509.544	509.529	509.537	5
6	509.433	509.412	509.414	509.588	509.490	509.295	509.300	509.423	509.437	509.518	509.520	509.537	6
7	509.430	509.412	509.415	509.594	509.485	509.295	509.305	509.425	509.390	509.526	509.557	509.538	7
8	509.433	509.411	509.416	509.598	509.484	509.285	509.287	509.408	509.383	509.517	509.534	509.533	8
9	509.431	509.411	509.413	509.603	509.482	509.273	509.331	509.408	509.418	509.521	509.529	509.530	9
10	509.429	509.412	509.411	509.607	509.505	509.278	509.395	509.410	509.487	509.553	509.539	509.538	10
11	509.426	509.408	509.414	509.611	509.487	509.280	509.379	509.383	509.428	509.551	509.478	509.538	11
12	509.428	509.408	509.420	509.611	509.477	509.305	509.385	509.421	509.444	509.533	509.527	509.535	12
13	509.426	509.410	509.427	509.611	509.480	509.295	509.363	509.410	509.441	509.530	509.538	509.533	13
14	509.423	509.410	509.440	509.612	509.481	509.283	509.385	509.407	509.430	509.517	509.544	509.532	14
15	509.422	509.408	509.458	509.614	509.484	509.270	509.388	509.404	509.481	509.530	509.518	509.517	15
16	509.420	509.406	509.466	509.613	509.438	509.282	509.390	509.403	509.452	509.535	509.521	509.519	16
17	509.416	509.402	509.472	509.616	509.445	509.290	509.391	509.403	509.385	509.510	509.544	509.515	17
18	509.419	509.403	509.475	509.613	509.444	509.230	509.345	509.435	509.384	509.483	509.550	509.513	18
19	509.420	509.403	509.474	509.614	509.431	509.287	509.340	509.403	509.531	509.486	509.551	509.511	19
20	509.421	509.401	509.471	509.611	509.437	509.295	509.339	509.384	509.504	509.503	509.555	509.510	20
21	509.421	509.404	509.467	509.608	509.435	509.298	509.383	509.403	509.485	509.514	509.552	509.507	21
22	509.421	509.403	509.464	509.600	509.418	509.275	509.390	509.392	509.482	509.511	509.543	509.506	22
23	509.422	509.402	509.462	509.595	509.414	509.280	509.386	509.395	509.490	509.534	509.541	509.501	23
24	509.422	509.399	509.460	509.581	509.404	509.245	509.348	509.397	509.504	509.528	509.540	509.500	24
25	509.420	509.400	509.459	509.598	509.388	509.297	509.356	509.407	509.507	509.527	509.538	509.498	25
26	509.417	509.400	509.454	509.600	509.384	509.280	509.382	509.404	509.510	509.517	509.539	509.497	26
27	509.418	509.402	509.450	509.600	509.378	509.258	509.376	509.405	509.537	509.538	509.527	509.498	27
28	509.418	509.402	509.448	509.594	509.384	509.258	509.387	509.398	509.555	509.519	509.538	509.494	28
29	509.416		509.446	509.583	509.345	509.264	509.384	509.405	509.510	509.511	509.540	509.492	29
30	509.415		509.444	509.573	509.333	509.271	509.406	509.403	509.515	509.518	509.539	509.489	30
31	509.413		509.472		509.322		509.405	509.406		509.527		509.484	31
MEAN	509.424	509.407	509.440	509.594	509.446	509.279	509.350	509.405	509.470	509.522	509.532	509.516	MEAN
MAX	509.433	509.414	509.475	509.640	509.576	509.333	509.406	509.435	509.555	509.551	509.557	509.540	MAX
MIN	509.413	509.399	509.403	509.505	509.322	509.230	509.287	509.383	509.380	509.483	509.474	509.484	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MEAN, 509.448
MAXIMUM DAILY, 509.640 ON APR 20
MINIMUM DAILY, 509.230 ON JUN 18
MAXIMUM INSTANTANEOUS,
509.688 AT 17:43 CST ON SEP 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 35 06 N
LONG 105 23 10 W

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - THE MAXIMUM INSTANTANEOUS WATER LEVEL OCCURRED AS A RESULT OF WIND EFFECT

BURNTOUT BROOK NEAR ARBORFIELD - STATION NO. 05KB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.880E	0.114	0.188	0.152	0	0.006	---	---	1
2	---	---	0B	0 B	0.642E	0.148	0.159	0.128	0	0.007	---	---	2
3	---	---	0B	0 B	0.204A	0.216	0.196	0.105	0	0.006	---	---	3
4	---	---	0B	0 B	0.190E	0.243	0.481	0.131	0	0.005	---	---	4
5	---	---	0B	0 B	0.115E	0.285	0.709	0.118	0	0.013	---	---	5
6	---	---	0B	0 B	0.105E	0.256	1.07	0.078	0	0.011	---	---	6
7	---	---	0B	0 B	0.108E	0.188	1.01	0.080	0	0.009	---	---	7
8	---	---	0B	0 B	0.111E	0.148	0.782	0.083	0	0.006	---	---	8
9	---	---	0B	0 B	0.117E	0.151	0.695	0.086	0	0.003	---	---	9
10	---	---	0B	0 B	0.127E	0.126	0.683	0.087	0.001	0.001	---	---	10
11	---	---	0B	0 B	0.140E	0.216	0.725	0.080	0.002	0.002	---	---	11
12	---	---	0B	0 B	0.150E	0.204	1.07	0.083	0.003	0.001	---	---	12
13	---	---	0B	0 B	0.174E	0.228	1.24	0.075	0.004	0	---	---	13
14	---	---	0B	0 B	0.188E	0.245	1.35	0.057	0.005	0	---	---	14
15	---	---	0B	0 B	0.204E	0.301	1.06	0.038	0.005	0	---	---	15
16	---	---	0B	0 B	0.220E	0.339	0.809	0.037	0.006	0	---	---	16
17	---	---	0B	0 B	0.264A	0.343	0.648	0.044	0.014	0	---	---	17
18	---	---	0B	0.042B	0.235	0.330	0.520	0.032	0.017	0	---	---	18
19	---	---	0B	3.45 B	0.235	0.337	0.436	0.038	0.017	0	---	---	19
20	---	---	0B	9.78 B	0.269	0.273	0.365	0.028	0.016	0.009	---	---	20
21	---	---	0B	9.98	0.373	0.248	0.340	0.021	0.017	0.020	---	---	21
22	---	---	0B	5.38	0.289	0.189	0.327	0.017	0.017	0.016	---	---	22
23	---	---	0B	4.15	0.272	0.184	0.268	0.014	0.016	0.010	---	---	23
24	---	---	0B	3.01	0.255	0.209	0.235	0.008	0.016	0.014	---	---	24
25	---	---	0B	2.68	0.245	0.258	0.246	0.005	0.013	0.017	---	---	25
26	---	---	0B	2.85 A	0.316	0.288	0.258	0.003	0.012	0.017	---	---	26
27	---	---	0B	3.47 E	0.284	0.281	0.241	0.002	0.011	0.012	---	---	27
28	---	---	0B	3.08 E	0.208	0.188	0.201	0.001	0.006	0.010	---	---	28
29	---		0B	1.72 E	0.187	0.177	0.181	0.001	0.004	0.003	---	---	29
30	---		0B	1.34 E	0.137	0.155	0.184	0	0.004	0	---	---	30
31	---		0B		0.142		0.181	0		0 A		---	31
TOTAL	---	---	0	48.132	7.210	8.893	15.748	1.581	0.206	0.211	---	---	TOTAL
MEAN	---	---	0	1.84	0.233	0.330	0.540	0.050	0.007	0.007	---	---	MEAN
MAX	---	---	0	9.78	0.880	0.343	1.35	0.152	0.017	0.020	---	---	MAX
MIN	---	---	0	0	0.108	0.114	0.159	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.328
MAXIMUM DAILY, 9.780 ON APR 20
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
13.3 AT 04:45 CST ON APR 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 09 15 N
LONG 103 48 45 W
DRAINAGE AREA, 305 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	1 480
FEB	---	AUG	135
MAR	0	SEP	17.7
APR	4 356	OCT	18.2
MAY	833	NOV	---
JUN	598	DEC	---

TOTAL DISCHARGE, 7 099 dam³

CANDLE LAKE AT CANDLE LAKE - STATION NO. 08SB004

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	494.411	494.437	494.505	494.502	494.371E	494.308E	494.241E	494.206	494.202E	---	1
2	---	---	494.414	494.436	494.508	494.501	494.368E	494.306E	494.242E	494.206	494.203E	---	2
3	---	---	494.416	494.437	494.506A	494.500	494.366E	494.303E	494.242E	494.193	494.203E	---	3
4	---	---	494.422	494.436	494.503A	494.498	494.363E	494.299E	494.242E	494.197	494.204E	---	4
5	---	---	494.422	494.439	494.507A	494.494	494.360E	494.296E	494.243E	494.198	494.204E	---	5
6	---	---	494.417	494.438	494.503	494.483	494.358E	494.293E	494.242E	494.195	494.209E	---	6
7	---	---	494.422	494.440	494.502	494.488	494.355E	494.290E	494.242A	494.203	494.221A	---	7
8	---	---	494.422	494.441	494.511	494.471	494.352E	494.287E	494.233	494.198	494.203A	---	8
9	---	---	494.420	494.438	494.506	494.488	494.349E	494.284E	494.237	494.198	---	---	9
10	---	---	494.424	494.439	494.506A	494.482	494.347E	494.280E	494.248	494.198	---	---	10
11	---	---	494.424	494.448	494.515A	494.457	494.345E	494.277E	494.241	494.196	---	---	11
12	---	---	494.425	494.447	494.510	494.470	494.343E	494.275E	494.239	494.196	---	---	12
13	---	---	494.424	494.450	494.517	494.458	494.340E	494.272E	494.234	494.195	---	---	13
14	---	---	494.423	494.454	494.521	494.463	494.338E	494.270E	494.225	494.194	---	---	14
15	---	---	494.422	494.454	494.517	494.438	494.337E	494.268E	494.225	494.193	---	---	15
16	---	---	494.421	494.452	494.523	494.427	494.335E	494.265E	494.223	494.198	---	---	16
17	---	---	494.423	494.455	494.523	494.417	494.333E	494.262E	494.247	494.192A	---	---	17
18	---	---	494.421	494.456	494.521	494.413	494.330A	494.258E	494.248	494.194E	---	---	18
19	---	---	494.422	494.460	494.522	494.408E	494.332	494.258E	494.230	494.194E	---	---	19
20	---	---	494.423	494.463	494.524	494.408E	494.334	494.254E	494.230	494.195E	---	---	20
21	---	---	494.423	494.466	494.527	494.406E	494.334	494.253E	494.219	494.195E	---	---	21
22	---	---	494.423	494.471	494.533	494.398E	494.336	494.251E	494.221	494.197E	---	---	22
23	---	---	494.426	494.473	494.530	494.398E	494.334	494.249E	494.221	494.198E	---	---	23
24	---	494.406A	494.433	494.473	494.518	494.393E	494.338	494.246A	494.223	494.198E	---	---	24
25	---	494.411	494.433	494.466	494.518	494.389E	494.339E	494.243A	494.223	494.198E	---	---	25
26	---	494.411	494.434	494.461	494.519	494.386E	494.332E	494.239	494.222	494.199E	---	---	26
27	---	494.408	494.433	494.457	494.520	494.383E	494.329L	494.238	494.220	494.199E	---	---	27
28	---	494.407	494.434	494.500	494.5 3	494.380E	494.325E	494.244	494.212	494.199E	---	---	28
29	---		494.435	494.500	494.512	494.378E	494.320E	494.243E	494.211	494.200E	---	---	29
30	---		494.437	494.503	494.507	494.374E	494.316E	494.242E	494.203	494.200E	---	---	30
31	---		494.436		494.5L1		494.313E	494.241E		494.201E		---	31
MEAN	---	---	494.422	494.459	494.515	494.436	494.341	494.287	494.230	494.198	---	---	MEAN
MAX	---	---	494.436	494.503	494.533	494.505	494.371	494.308	494.247	494.203	---	---	MAX
MIN	---	---	494.411	494.436	494.501	494.374	494.313	494.238	494.203	494.194	---	---	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MAXIMUM DAILY, 494.533 ON MAY 22

MAXIMUM INSTANTANEOUS,
494.565 AT 22:80 CST ON MAY 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 45 10 N
LONG 105 19 14 W

A - MANUAL GAUGE

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - THE MAXIMUM INSTANTANEOUS WATER LEVEL OCCURRED AS A RESULT OF WIND EFFECT

CANOE RIVER NEAR BEAUVAL - STATION NO. 08SB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.448	5.708	4.788	6.208	14.1	9.L3	4.84	3.37	3.35	4.13	5.83	5.000	1
2	5.278	5.868	4.788	6.858	14.0	9.48	4.48	3.30	3.35	4.10	5.14	5.408	2
3	5.298	5.368	4.778	6.778	14.0	9.33	4.22	3.06	2.42	4.23	5.38	5.208	3
4	5.838	5.138	4.828	6.918	14.0	9.36	3.96	2.99	2.43	4.22	5.37	5.008	4
5	5.808	5.018	5.248	7.488	13.4	9.10	3.82	2.86	2.47	4.21	5.49	4.808	5
6	5.598	4.878	5.248	7.788	13.2	8.81	3.87	2.78	2.71	4.23	5.78	4.608	6
7	5.538	4.908	5.348	7.698	13.3	8.89	3.83	2.74	2.88	4.30	5.81	4.408	7
8	5.438	4.888	5.258	7.288	13.2	8.57	4.22	2.87	3.81	4.31	5.83	4.208	8
9	5.538	4.908	5.338	7.108	12.7	8.26	4.30	2.81	2.85	4.22	5.88	4.008	9
10	5.448	4.908	5.008	7.048	11.6	8.10	4.25	2.87	2.87	4.35	7.07	3.808	10
11	5.118	5.078	5.288	6.898	12.0	7.81	4.22	2.95	2.84	4.81	7.208	3.858	11
12	5.818	5.078	5.428	6.978	12.5	7.41	4.24	2.89	2.86	4.84	6.408	3.458	12
13	5.808	5.188	5.608	7.328	12.3	8.60	4.20	2.89	3.01	4.82	6.008	3.308	13
14	5.828	5.278	5.658	7.278	11.9	8.54	4.09	3.02	3.02	4.80	5.308	3.158	14
15	6.028	5.278	5.888	7.818	12.0	8.26	4.00	2.46	3.05	4.76	5.858	3.008	15
16	5.008	5.218	5.718	7.198	12.0	8.11	3.79	2.46	3.19	4.82	5.808	2.908	16
17	5.938	4.888	5.618	7.318	11.9	8.76	3.79	2.61	3.40	5.02	5.858	2.808	17
18	5.808	4.818	5.208	7.288	11.6	8.41	4.04	2.68	3.63	5.05	7.008	2.708	18
19	5.738	4.808	4.888	7.208	11.4	8.08	4.14	2.68	3.61	5.01	7.008	2.608	19
20	5.778	4.888	5.008	8.208	11.5	8.40	4.12	2.64	3.70	5.08	6.858	2.508	20
21	5.948	4.938	4.948	11.2 E	11.7	8.30	4.01	2.83	3.85	5.02	6.808	2.458	21
22	5.238	5.078	4.848	10.8	11.5	8.23	4.00	2.80	3.83	5.04	6.758	2.408	22
23	5.418	5.048	4.808	10.8	11.1	8.00	3.85	2.64	3.67	5.15	6.708	2.358	23
24	5.418	4.878	4.788	10.7	11.0	7.85	3.74	2.60	3.64	5.43	6.808	2.308	24
25	5.188	4.908	5.048	10.1	10.9	8.48	3.70	2.39	3.62	5.70	6.858	2.258	25
26	5.718	5.138	4.978	14.8	10.9	8.41	3.84	2.32	3.78	5.78	6.408	2.158	26
27	5.268	5.298	4.878	14.3	10.8	8.04	3.80	2.28	3.78	5.80	6.258	2.108	27
28	5.298	5.028	5.108	14.2	10.2	8.15	3.84	2.32	3.83	5.78	6.108	2.068	28
29	5.858		5.858	14.3	8.91	8.40	3.83	2.38	4.05	5.85	6.808	2.058	29
30	5.528		5.018	14.2	8.57	8.19	3.81	2.38	4.15	5.80	6.708	2.038	30
31	5.578		5.048		8.48		3.46	2.37		5.83		2.028	31
TOTAL	167.87	141.85	160.13	294.35	388.48	188.07	122.95	88.81	98.42	151.84	188.83	101.03	TOTAL
MEAN	5.06	5.06	5.17	9.81	11.8	8.80	3.97	2.80	3.21	4.90	6.83	3.25	MEAN
MAX	6.80	5.70	6.04	16.7	14.1	9.82	4.84	3.37	4.15	5.85	7.20	5.80	MAX
MIN	5.28	4.80	4.84	6.30	8.48	3.85	3.46	2.38	2.35	4.10	5.70	2.02	MIN

SUMMARY FOR THE YEAR 1983

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.78
MAXIMUM DAILY, 16.7 ON APR 24
MINIMUM DAILY, 2.028 ON DEC 31
MAXIMUM INSTANTANEOUS,
16.8 AT 07:40 CST ON APR 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 24 20 N
LONG 102 01 40 W
DRAINAGE AREA, 4 730 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	15 200	JUL	10 500
FEB	12 200	AUG	8 030
MAR	13 800	SEP	8 330
APR	25 400	OCT	13 100
MAY	31 800	NOV	17 000
JUN	17 100	DEC	8 730

TOTAL DISCHARGE, 181 000 dam³

CARROT RIVER NEAR ARMLEY - STATION NO. 05KD003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	22.9	2.17	0.369	0.520	0.278	0.121	---	---	1
2	---	---	0B	0.002B	21.1	2.11	0.407	0.480	0.267	0.115	---	---	2
3	---	---	0B	0.005B	18.7	2.12	0.458	0.359	0.262	0.123	---	---	3
4	---	---	0B	0.010B	15.7	2.13	0.640	0.202	0.226	0.118	---	---	4
5	---	---	0B	0.015B	13.2	2.13	0.736	0.210	0.210	0.111	---	---	5
6	---	---	0B	0.024B	11.2	2.12	0.617	0.186	0.255	0.106	---	---	6
7	---	---	0B	0.026B	9.83	1.88	0.666	0.174	0.244	0.102	---	---	7
8	---	---	0B	0.031B	8.78	1.63	0.785	0.136	0.224	0.096	---	---	8
9	---	---	0B	0.033B	7.87	1.39	0.723	0.114	0.212	0.090	---	---	9
10	---	---	0B	0.035B	7.06	1.18	0.863	0.173	0.142	0.087	---	---	10
11	---	---	0B	0.034B	6.85A	1.06	0.910	0.262	0.264	0.083	---	---	11
12	---	---	0B	0.038B	6.20E	0.780	1.21	0.233	0.264	0.079	---	---	12
13	---	---	0B	0.044B	6.00E	0.659	1.28	0.230	0.265	0.076	---	---	13
14	---	---	0B	0.050B	5.70E	0.690	1.30	0.265	0.247	0.071	---	---	14
15	---	---	0B	0.053B	5.40E	0.587	1.16	0.274	0.223	0.068	---	---	15
16	---	---	0B	0.055B	5.10E	0.666	1.10	0.248	0.178	0.064	---	---	16
17	---	---	0B	0.065B	4.70A	0.654	0.975	0.222	0.151	0.060	---	---	17
18	---	---	0B	0.080B	4.48	0.617	0.929	0.262	0.137	0.057	---	---	18
19	---	---	0B	1.02 B	4.15	0.423	0.885	0.249	0.108	0.053	---	---	19
20	---	---	0B	12.0 B	4.07	0.386	0.890	0.238	0.103	0.050	---	---	20
21	---	---	0B	47.0 B	3.88	0.549	0.838	0.220	0.102	0.047	---	---	21
22	---	---	0B	86.0	3.73	0.359	0.838	0.252	0.112	0.044	---	---	22
23	---	---	0B	65.9	3.57	0.287	0.755	0.239	0.120	0.042	---	---	23
24	---	---	0B	66.1	3.37	0.236	0.861	0.178	0.121	0.040	---	---	24
25	---	---	0B	38.4	3.28	0.259	0.892	0.180	0.122	0.038	---	---	25
26	---	---	0B	27.1	3.11	0.161	0.570	0.226	0.130	0.031	---	---	26
27	---	---	0B	23.8	2.97	0.247	0.767	0.219	0.135	0.027	---	---	27
28	---	---	0B	22.5	2.74	0.275	0.824	0.220	0.134	0.025	---	---	28
29	---		0B	22.5	2.53	0.279	0.847	0.287	0.141	0.022	---	---	29
30	---		0B	23.3	2.38	0.168	0.834	0.287	0.134	0.017	---	---	30
31	---		0B		2.25		0.616	0.393		0.010A		---	31
TOTAL	---	---	0	457.515	222.61	27.782	26.482	7.707	5.161	2.072	---	---	TOTAL
MEAN	---	---	0	15.3	7.18	0.926	0.789	0.249	0.185	0.067	---	---	MEAN
MAX	---	---	0	86.0	22.9	2.17	1.30	0.520	0.278	0.123	---	---	MAX
MIN	---	---	0	0	2.25	0.148	0.369	0.114	0.102	0.010	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.05
MAXIMUM DAILY, 86.0 ON APR 22
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
91.4 AT 19:51 CST ON APR 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 08 11 N
LONG 104 01 16 W
DRAINAGE AREA, 6 340 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 110
FEB	---	AUG	665
MAR	0	SEP	480
APR	39 500	OCT	179
MAY	19 200	NOV	---
JUN	2 400	DEC	---

TOTAL DISCHARGE, 64 500 dam³

CARROT RIVER NEAR KINISTINO - STATION NO 05KA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	2.67	0.222	0.063	0.010	0	0	---	---	1
2	---	---	0B	0 B	2.16	0.188	0.092	0.011	0	0	---	---	2
3	---	---	0B	0 B	2.11	0.125	0.071	0.007	0	0	---	---	3
4	---	---	0B	0 B	1.78	0.109	0.852	0.006	0	0	---	---	4
5	---	---	0B	0 B	1.80	0.060	0.936	0.034	0	0	---	---	5
6	---	---	0B	0 B	1.45	0.069	1.04	0.017	0	0	---	---	6
7	---	---	0B	0 B	1.43	0.044	1.08	0.008	0	0	---	---	7
8	---	---	0B	0 B	1.41	0.128	1.17	0.005	0.084	0	---	---	8
9	---	---	0B	0 B	1.21	0.168	1.14	0.003	0.052	0	---	---	9
10	---	---	0B	0 B	1.07	0.049	1.07	0.003	0.016	0	---	---	10
11	---	---	0B	0.001B	1.16	0.036	1.08	0.003	0.006	0	---	---	11
12	---	---	0B	0.002B	1.22	0.034	1.02	0.003	0.004	0	---	---	12
13	---	---	0B	0.004B	1.24	0.042	0.923	0.002	0.003	0	---	---	13
14	---	---	0B	0.050B	1.17	0.028	0.665	0.001	0.002	0	---	---	14
15	---	---	0B	0.070B	1.15	0.030	0.523	0.001	0.001	0	---	---	15
16	---	---	0B	0.140B	1.14	0.241	0.382	0.001	0.001	0	---	---	16
17	---	---	0B	0.116B	1.01	0.071	0.248	0.001	0.001	0	---	---	17
18	---	---	0B	0.013B	0.903	0.061	0.161	0	0.001	0	---	---	18
19	---	---	0B	0.021B	0.747	0.055	0.073	0.004	0.001	0	---	---	19
20	---	---	0B	1.16 B	0.679	0.035	0.072	0.003	0	0	---	---	20
21	---	---	0B	1.46 B	0.670	0.015	0.102	0.001	0	0	---	---	21
22	---	---	0B	2.26 B	0.616	0.007	0.287	0.001	0	0	---	---	22
23	---	---	0B	2.93	0.487	0.004	0.161	0	0	0	---	---	23
24	---	---	0B	2.80	0.448	0.006	0.119	0	0	0	---	---	24
25	---	---	0B	2.34	0.401	0.003	0.365	0	0	0	---	---	25
26	---	---	0B	2.30	0.438	0.002	0.247	0	0	0	---	---	26
27	---	---	0B	2.34	0.401	0.001	0.074	0	0.018	0	---	---	27
28	---	---	0B	2.38	0.458	0.001	0.066	0	0.050	0	---	---	28
29	---		0B	2.39	0.464	0.001	0.030	0	0.042	0	---	---	29
30	---		0B	2.26	0.436	0.002	0.028	0	0.018	0	---	---	30
31	---		0B		0.316		0.015	0		0		---	31
TOTAL	---	---	0	25.981	31.071	1.778	14.670	0.124	0.311	0	---	---	TOTAL
MEAN	---	---	0	0.866	1.02	0.059	0.473	0.004	0.010	0	---	---	MEAN
MAX	---	---	0	2.93	2.16	0.241	1.17	0.034	0.084	0	---	---	MAX
MIN	---	---	0	0	0.316	0.001	0.002	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.204
MAXIMUM DAILY, 2.93 ON APR 23
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
3.16 AT 12:35 CST ON APR 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 56 55 N
LONG 105 00 18 W
DRAINAGE AREA, 1 170 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 270
FEB	---	AUG	10.7
MAR	0	SEP	26.9
APR	2 240	OCT	0
MAY	2 740	NOV	---
JUN	154	DEC	---

TOTAL DISCHARGE, 5 440 dam³

CARROT RIVER NEAR SMOKY BURN - STATION NO. 05KC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.3140	0.4970	0.3350	0.3870	45.3	5.37	3.76	3.89	0.559	1.90	1.32 E	1.32 E	1
2	0.3130	0.5010	0.3220	0.4030	43.5	5.14	3.81	3.26	0.506	1.78	1.36 E	1.36 E	2
3	0.3120	0.5260	0.3060	0.3950	41.4	7.88	7.57	2.81	0.481	1.70	1.35	1.44 E	3
4	0.3110	0.5330	0.2910	0.3930	36.7	24.8	18.4	2.52	0.427	1.64	1.53	1.43 E	4
5	0.3100	0.5430	0.2700	0.3870	31.0	26.9	24.6	2.22	0.422	1.60	1.48	1.41 E	5
6	0.3140	0.5480	0.2520	0.3640	26.2	23.5	23.7	1.97	0.469	1.55	1.45	1.42 E	6
7	0.3320	0.5560	0.2560	0.3920	22.1	18.6	19.3	1.72	0.484	1.58	1.55	1.41 E	7
8	0.3280	0.5760	0.2450	0.4120	19.0	16.7	15.3	1.58	0.714	1.56	1.56	1.50 E	8
9	0.3430	0.5770	0.2480	0.4380	17.9	14.0	13.3	1.48	1.27	1.72	1.63 E	1.43 E	9
10	0.3690	0.5760	0.2560	0.4720	16.0	11.8	12.5	1.36	1.48	1.87	1.82	1.53 E	10
11	0.3730	0.5780	0.2620	0.5520	14.2	9.84	12.2	1.08	2.28	1.83	1.99	1.35 E	11
12	0.4060	0.5800	0.2670	0.6630	12.8	8.64	14.3	0.983	5.23	1.80	1.89	0.8410	12
13	0.4160	0.5810	0.2620	0.7940	12.6	10.8	16.5	0.918	5.03	1.67	1.80	0.7760	13
14	0.4300	0.5820	0.2550	1.16 E	11.7	17.5	15.1	0.817	4.15	1.68	1.76	0.7280	14
15	0.4400	0.5830	0.2630	1.20 E	12.2	23.7	18.1	1.88	3.39	1.89	1.72	0.6780	15
16	0.4380	0.5840	0.3050	0.9520	13.2	33.1	23.1	2.43	2.73	1.89	1.61	0.6750	16
17	0.4820	0.5820	0.3820	0.8130	12.6	28.6	25.4	2.03	2.40	1.82	1.69	0.6810	17
18	0.4880	0.5360	0.2700	1.00 E	12.8	21.7	23.4	1.87	2.02	1.80	1.82	0.7230	18
19	0.4840	0.5270	0.3150	1.73 E	14.3	15.5	19.8	1.65	1.85	1.69	1.87	0.7880	19
20	0.4840	0.4880	0.4270	26.0 E	16.0	11.8	16.2	1.36	2.37	1.58	1.788	0.8080	20
21	0.4880	0.4800	0.4520	77.7 E	15.0	9.21	12.3	1.23	4.06	1.45	1.338	0.8050	21
22	0.4870	0.4820	0.4860	89.4 E	14.0	7.42	10.9	1.18	8.12	1.45	1.328	0.7880	22
23	0.4820	0.4370	0.5130	114	15.5	7.02	10.8	1.14	5.85	1.41	1.328	0.7110	23
24	0.4710	0.4100	0.5060	130	13.6	6.87	9.81	1.04	5.14	2.16	1.338	0.6300	24
25	0.4660	0.4060	0.4910	147	11.8	6.08	8.51	0.959	4.43	2.47	1.398	0.5300	25
26	0.4690	0.3920	0.4580	160	10.4	5.26	7.43	0.857	3.89	2.19	1.428	0.4480	26
27	0.4660	0.3850	0.4380	149	8.84	3.88	6.58	0.784	3.08	1.81	1.405	0.3860	27
28	0.4960	0.3530	0.4270	102	8.73	3.27	5.72	0.689	2.95	1.54	1.378	0.3610	28
29	0.5090		0.4200	83.1	7.86	3.03	5.03	0.638	2.20	1.35	1.348	0.3120	29
30	0.5070		0.4100	80.4	8.87	2.73	4.35	0.602	1.97	1.23	1.328	0.2950	30
31	0.5050		0.4080		6.36		3.97	0.602		1.17		0.2870	31
TOTAL	13.082	14.353	10.727	1 131.854	553.26	387.94	406.96	47.289	77.341	49.97	46.35	27.884	TOTAL
MEAN	0.421	0.513	0.346	37.7	17.8	12.9	13.2	1.52	2.58	1.61	1.55	0.899	MEAN
MAX	0.509	0.584	0.513	160	45.3	32.1	25.4	3.89	5.12	2.47	1.99	1.53	MAX
MIN	0.310	0.353	0.245	0.384	6.36	2.73	3.76	0.602	0.422	1.17	1.22	0.287	MIN

SUMMARY FOR THE YEAR 1983

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.58
MAXIMUM DAILY, 160 ON APR 26
MINIMUM DAILY, 0.2450 ON MAR 8
MAXIMUM INSTANTANEOUS,
182 AT 19:06 CST ON APR 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 25 00 N
LONG 103 08 30 W
DRAINAGE AREA, 9 230 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 130	JUL	35 300
FEB	1 240	AUG	4 080
MAR	927	SEP	6 680
APR	97 800	OCT	4 320
MAY	47 800	NOV	4 000
JUN	33 500	DEC	2 410

TOTAL DISCHARGE, 239 000 dam³

CARROT RIVER NEAR TURNBERRY - STATION NO. 05KH007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.588	1.818	0.8808	1.888	55.8	47.2	42.4	30.8	5.06	20.8	7.85	3.358	1
2	1.558	1.808	0.8748	1.888	56.7	46.3	41.0	28.1	4.80	19.6	7.60	3.298	2
3	1.488	1.788	0.8548	1.888	58.2	44.2	41.6	27.5	4.57	18.5	7.58	3.238	3
4	1.408	1.788	0.8428	1.948	58.8	73.6	48.0	26.1	4.26	17.9	7.88	3.178	4
5	1.408	1.758	0.8198	1.938	59.5	70.6	51.7	24.4	4.18	17.2	7.81	3.128	5
6	1.398	1.858	0.8085	1.888	60.6	66.2	52.7	22.9	4.32	16.2	7.58	3.088	6
7	1.398	1.878	0.8448	1.908	61.1	63.7	52.6	21.6	4.58	15.3	8.21	3.008	7
8	1.398	1.488	0.8338	1.998	62.2	63.4	52.2	20.1	4.80	14.9	8.98	2.938	8
9	1.418	1.488	0.8168	2.388	63.7	63.1	51.7	18.7	4.43	14.3	9.86	2.878	9
10	1.418	1.488	0.8038	3.478	66.0	62.9	51.1	17.3	5.00	14.1	9.76	2.828	10
11	1.408	1.438	0.8008	4.518	65.2	62.5	51.2	16.3	8.86	13.8	9.86	2.788	11
12	1.408	1.428	0.7988	4.698	64.9	61.3	51.8	15.1	11.6	13.6	9.54	2.708	12
13	1.408	1.408	0.8378	4.408	63.6	57.7	51.8	14.7	12.6	13.4	9.49	2.488	13
14	1.488	1.388	0.8698	4.328	61.2	77.3	50.1	13.8	14.4	13.2	9.82	2.308	14
15	1.818	1.348	1.00 E	3.988	59.5	66.5	51.3	13.0	15.3	12.9	9.84	2.118	15
16	1.528	1.338	1.20 E	3.718	58.0	69.6	54.8	12.3	15.3	12.7	9.61	1.988	16
17	1.618	1.308	1.38 E	3.678	57.8	65.7	51.1	12.4	14.6	12.5	9.31	1.898	17
18	1.688	1.288	1.53 E	3.888	61.8	61.9	52.4	12.5	15.1	11.6	8.36	1.788	18
19	1.658	1.278	1.60 E	4.828	68.7	78.7	59.4	12.7	20.0	11.3	8.29	1.688	19
20	1.738	1.288	1.68 E	6.398	68.8	78.5	56.0	12.2	25.9	11.1	7.92	1.588	20
21	1.758	1.188	1.73 E	11.6 E	69.6	78.7	53.6	11.8	28.0	11.2	4.69	1.488	21
22	1.798	1.118	1.78 E	19.5 E	74.0	74.2	52.3	11.1	28.2	10.7	3.97	1.388	22
23	1.828	1.068	1.81 E	31.5 E	70.8	71.6	50.0	10.1	28.5	10.7	3.908	1.338	23
24	1.828	1.078	1.85 E	42.2 E	67.0	68.0	47.7	9.12	28.5	10.2	3.838	1.308	24
25	1.848	1.068	1.89 E	46.1 E	63.6	64.4	45.4	8.62	28.9	9.89	3.788	1.178	25
26	1.858	1.048	1.91 E	52.0 E	61.6	61.0	44.2	7.89	28.8	9.44	3.688	1.138	26
27	1.858	1.038	1.92 E	53.5 E	59.7	57.0	41.5	8.98	27.9	9.89	3.618	1.198	27
28	1.888	1.008	1.91 E	53.2	57.5	53.2	38.7	8.65	28.0	9.56	3.638	1.198	28
29	1.898		1.95 E	52.8	54.4	49.0	36.6	8.97	24.1	9.47	3.488	1.288	29
30	1.878		1.88 E	53.9	51.5	46.3	34.8	8.75	22.3	8.83	3.428	1.308	30
31	1.838		1.89 E		48.8		33.0	8.32		8.38		1.288	31
TOTAL	49.78	38.49	41.345	485.84	1 911.2	2 002.2	1 513.3	482.41	472.85	402.98	214.70	66.17	TOTAL
MEAN	1.61	1.37	1.33	15.2	61.7	66.7	48.8	14.8	15.8	13.0	7.16	2.13	MEAN
MAX	1.90	1.81	1.93	53.9	74.0	89.6	62.4	30.8	28.9	20.8	9.93	3.35	MAX
MIN	1.39	1.00	0.798	1.88	48.8	46.3	33.0	8.32	4.18	8.38	3.42	1.17	MIN

SUMMARY FOR THE YEAR 1983

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 21.0
MAXIMUM DAILY, 89.6 ON JUN 16
MINIMUM DAILY, 0.7980 ON MAR 12
MAXIMUM INSTANTANEOUS,
90.2 AT 22:53 CST ON JUN 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 35 00 N
LONG 102 57 00 W
DRAINAGE AREA, 12 800 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 300	JUL	131 000
FEB	3 330	AUG	40 000
MAR	3 570	SEP	40 000
APR	42 000	OCT	24 600
MAY	165 000	NOV	18 000
JUN	173 000	DEC	6 720

TOTAL DISCHARGE, 682 000 dam³

CHIPMAN RIVER ABOVE BLACK LAKE - STATION NO. 07LC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	8.93	7.77	6.38	5.70	6.25	9.07	20.8E	18.4E	15.8	13.9	12.7	11.6	1
2	8.84	7.82	6.38	5.70	6.15	9.14	20.8E	18.3E	15.8	13.8	12.6	11.2	2
3	8.86	7.67	6.35	5.68	6.07	9.30A	20.4E	18.2E	15.7	13.7	12.6	11.2	3
4	8.85	7.34	6.43	5.64	6.02	9.40E	20.2E	18.1E	15.7	13.7	12.5	11.1	4
5	8.93	7.26	6.33A	5.61	5.92	9.50E	20.0E	17.9E	15.6	13.7	12.5	11.0	5
6	8.90	7.18	6.32	5.62	5.85	9.60E	19.7E	17.7E	15.5	13.4	12.4	11.0	6
7	8.84	7.18	6.32	5.58	5.81	9.80E	19.4E	17.5E	15.4	13.2	12.4	11.0	7
8	8.92	7.08	6.27	5.51	5.81	10.0 E	19.1E	17.4Z	15.5	13.2	12.3	11.0	8
9	8.94	7.05	6.21A	5.52	5.83	10.3 E	18.7E	17.3E	15.3	13.2	12.1	10.9	9
10	8.88	7.07	6.34	5.49	5.84	10.5 E	18.3E	17.2E	15.2	13.0	12.0	10.7	10
11	8.88	7.07	6.37	5.48	5.88	11.0 E	18.0E	17.1E	15.1	12.9	12.0	10.7	11
12	8.84	7.07	6.40	5.47	5.90	11.4 E	17.7E	17.0E	15.0	12.9	12.0	10.8	12
13	8.48	7.07	6.38	5.49	6.00	11.9 E	17.5E	16.9E	14.8	13.2	12.1	10.7	13
14	8.51	7.07	6.21	5.51	6.04	12.5 E	17.3E	16.8E	14.7	13.2	12.1	10.5	14
15	8.61	7.08	6.21	5.46	6.10	13.1 E	17.2E	16.9E	14.7	13.4	12.1	10.4	15
16	8.66	7.08	6.18	5.44	6.15	13.7 E	17.1E	17.0E	14.9	13.4	12.2	10.2	16
17	8.61	8.96	6.06A	5.46	6.19	14.4 E	17.2E	17.1E	15.2	13.2	12.2	10.1	17
18	8.62	8.86	6.02A	5.44	6.34	15.1 E	17.3E	17.2E	15.3	13.1	12.2	10.1	18
19	8.51	8.87	5.97A	5.48	6.47	15.8 E	17.5E	17.1E	15.2	13.2	12.2	9.97	19
20	8.46	8.88	5.93	5.48	6.75	16.7 E	17.7E	17.0E	15.0	13.2	12.1	9.92	20
21	8.37	8.89	5.90	5.51	7.17	17.5 E	17.9E	16.9E	14.9	13.1	12.1	9.81	21
22	8.36	8.85	5.89	5.58	7.47	18.3 E	18.1E	16.8A	14.7	13.0	12.1	9.69	22
23	8.36	8.86	5.80	5.74	7.62	19.0 E	18.3E	16.8	14.8	13.1	12.0	9.55	23
24	8.24	8.76	5.81	5.93	7.67	19.5 E	18.4E	16.5	14.8	12.9	12.0	9.59	24
25	8.06	8.72	5.81	6.30	7.81	20.0 E	18.5E	16.6	14.7	12.7	11.9	9.72	25
26	7.92	8.56	5.76	6.49	8.07	20.2 E	18.6E	16.3	14.6	12.6	11.8	9.73	26
27	7.86	8.43A	5.77	6.51	8.32	20.4 E	18.7E	16.2	14.6	12.6	11.8	9.68	27
28	7.85	8.37A	5.77	6.45	8.50	20.6 E	18.8E	16.1	14.4	12.6	11.8	9.52	28
29	7.81		5.76	6.37	8.70	20.6 E	18.7E	16.0	14.2	12.6	11.7	9.50	29
30	7.80		5.76	6.32	8.85	21.0 E	18.8E	16.0	14.0	12.6	11.6	9.39	30
31	7.83		5.73		9.02		18.9E	15.9		12.8		9.24	31
TOTAL	263.18	186.83	186.94	171.87	210.59	429.71	574.8	527.8	451.3	406.2	364.1	319.31	TOTAL
MEAN	8.49	7.02	6.08	5.73	6.79	14.3	18.5	17.0	15.0	13.2	12.1	10.3	MEAN
MAX	8.95	7.77	6.43	5.81	9.02	21.0	20.8	18.4	15.8	13.9	12.7	11.6	MAX
MIN	7.80	6.37	5.73	5.44	5.81	9.07	17.1	15.9	14.0	12.7	11.6	9.24	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 11.3
MAXIMUM DAILY, 21.0E ON JUN 30
MINIMUM DAILY, 5.44 ON APR 15

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - RECORDING
LOCATION - LAT 59 19 10 N
LONG 105 18 10 W
DRAINAGE AREA, 5 580 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	22 700	JUL	49 700
FEB	17 000	AUG	45 500
MAR	18 300	SEP	38 000
APR	14 900	OCT	35 300
MAY	18 200	NOV	31 500
JUN	37 100	DEC	27 600

TOTAL DISCHARGE, 355 000 dam³

CHITEK LAKE AT CHITEK VILLAGE - STATION NO 08AD012

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	585.483	---	---	---	---	585.313	---	1
2	---	---	---	---	---	---	---	585.438	---	---	---	---	2
3	---	---	---	---	---	---	585.477	---	---	585.352	---	---	3
4	---	---	---	---	---	585.480	---	585.429	---	---	585.311	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	585.485	---	---	585.373	585.350	---	---	6
7	---	---	---	---	---	---	585.477	---	---	---	---	---	7
8	---	---	---	---	---	585.486	---	---	---	---	585.308	---	8
9	---	---	---	---	---	---	---	585.422	---	---	---	---	9
10	---	---	---	---	---	585.488	---	---	---	---	---	---	10
11	---	---	---	---	---	---	585.479	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	585.344	---	---	12
13	---	---	---	---	---	585.488	---	---	585.365	---	---	---	13
14	---	---	---	---	---	---	---	585.401	---	---	---	---	14
15	---	---	---	---	---	---	---	---	585.363	---	585.310	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	585.325	---	---	18
19	---	---	---	---	---	---	585.482	---	---	---	585.308	---	19
20	---	---	---	---	---	585.488	---	---	---	---	---	---	20
21	---	---	---	---	---	---	585.484	---	585.358	585.324	---	---	21
22	---	---	---	---	---	585.481	---	---	---	---	585.303	---	22
23	---	---	---	---	---	585.488	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	585.486	585.382	---	---	---	---	25
26	---	---	---	---	---	585.487	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	585.356	---	---	---	27
28	---	---	---	---	---	---	585.484	---	---	585.318	---	---	28
29	---		---	---	---	---	---	585.389	---	---	---	---	29
30	---		---	---	585.473	585.481	---	585.357	---	---	---	---	30
31	---		---		---		585.436	---		585.304		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 44 55 N
LONG 107 43 55 W
DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

CHRISTOPHER LAKE NEAR CHRISTOPHER LAKE - STATION NO. 06CE009

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	914.873E	914.938E	914.939	914.913E	914.832E	914.860E	914.819E	---	1
2	---	---	---	---	914.880E	914.933E	914.939E	914.911E	914.831E	914.860E	914.819E	---	2
3	---	---	---	---	914.907E	914.921E	914.940E	914.909E	914.830	914.860E	914.819E	---	3
4	---	---	---	---	914.926E	914.926	914.941E	914.907E	914.834E	914.860E	914.819	---	4
5	---	---	---	---	914.942	914.928E	914.942E	914.905	914.839E	914.861E	914.819E	---	5
6	---	---	---	---	914.945E	914.924E	914.943E	914.900E	914.844E	914.861E	914.820E	---	6
7	---	---	---	---	914.949E	914.923E	914.944E	914.895E	914.848E	914.861	914.820E	---	7
8	---	---	---	---	914.952E	914.921E	914.945	914.890E	914.853E	914.859E	914.820E	---	8
9	---	---	---	---	914.955E	914.919	914.945E	914.885E	914.858	914.858E	914.821E	---	9
10	---	---	---	---	914.958E	914.917E	914.945E	914.880E	914.859E	914.854E	914.821	---	10
11	---	---	---	---	914.962E	914.914E	914.945E	914.875E	914.859E	914.831E	914.823E	---	11
12	---	---	---	---	914.965E	914.912E	914.945E	914.870	914.859E	914.828E	914.828E	---	12
13	---	---	---	---	914.966	914.910E	914.945E	914.868E	914.860E	914.828E	914.828E	---	13
14	---	---	---	---	914.966E	914.907E	914.945E	914.867E	914.861E	914.823E	914.830E	---	14
15	---	---	---	---	914.965E	914.905E	914.945	914.866E	914.861E	914.822E	914.832E	---	15
16	---	---	---	---	914.963E	914.903E	914.945E	914.864E	914.863	914.821E	914.835E	---	16
17	---	---	---	---	914.961E	914.900	914.944E	914.863E	914.860E	914.820E	914.837E	---	17
18	---	---	---	---	914.959E	914.904E	914.944E	914.861E	914.859E	914.819E	914.839	---	18
19	---	---	---	---	914.958E	914.907E	914.944E	914.860	914.857E	914.819E	---	---	19
20	---	---	---	---	914.956	914.910E	914.944E	914.858E	914.858E	914.818E	---	---	20
21	---	---	---	---	914.955E	914.913E	914.943E	914.849E	914.854E	914.817E	---	---	21
22	---	---	---	---	914.954E	914.917E	914.943	914.844E	914.853E	914.818E	---	---	22
23	---	---	---	---	914.953E	914.920E	914.940E	914.839	914.852E	914.818E	---	---	23
24	---	---	---	---	914.951E	914.923	914.938E	914.838E	914.850E	914.814E	---	---	24
25	---	---	---	---	914.950E	914.926E	914.933E	914.840E	914.849E	914.813E	---	---	25
26	---	---	---	---	914.949E	914.928E	914.930E	914.840	914.849E	914.812	---	---	26
27	---	---	---	---	914.948	914.930E	914.928E	914.839E	914.845E	914.818E	---	---	27
28	---	---	---	---	914.946E	914.932E	914.923E	914.837E	914.843E	914.819E	---	---	28
29	---		---	914.838	914.943E	914.934E	914.919	914.836E	914.841E	914.819E	---	---	29
30	---		---	914.855E	914.941E	914.936E	914.917E	914.835E	914.839	914.819E	---	---	30
31	---		---		914.938E		914.915E	914.834E		914.819E		---	31
MEAN	---	---	---	---	914.947	914.920	914.939	914.887	914.850	914.838	---	---	MEAN
MAX	---	---	---	---	914.966	914.936	914.945	914.913	914.862	914.861	---	---	MAX
MIN	---	---	---	---	914.873	914.900	914.915	914.834	914.830	914.812	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1983

MAXIMUM DAILY, 914.966 ON MAY 13

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 30 30 N
LONG 108 45 55 W

E - ESTIMATED

DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

CHURCHILL LAKE AT BUFFALO NARROWS - STATION NO. 05BA001

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	30.559	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	30.563	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	30.723	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	30.529	---	---	---	---	---	---	---	---	30.547	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	30.511	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	30.730	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	30.517	---	---	---	---	---	---	---	---	30.541	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	30.574	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	30.735	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	30.498	---	---	---	---	---	---	---	---	30.539	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	30.559	---	---	25
26	---	---	---	---	---	---	---	---	30.736	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	---	---	30.437	---	28
29	---		---	---	---	---	---	---	---	---	---	---	29
30	---		---	---	---	---	---	---	---	---	---	---	30
31	---		---		---		---	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - MANUAL
LOCATION - LAT 55 51 00 N
LONG 108 28 00 W

DATA CONTRIBUTED BY -
CHURCHILL RIVER POWER COMPANY

REGULATED

CHURCHILL RIVER ABOVE OTTER RAPIDS - STATION NO. 06CD002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	152	150	142	136E	144	186	338	284	215	185	172	163	1
2	159	147	142	136E	144	204	338	282	213	184	171	162	2
3	160	147	141	136E	146	223	335	280	214	182	170	162	3
4	161	147	142	135E	146	230	330	288	212	181	171	162	4
5	160	146	141	135A	147	235	329	284	211	182	171	161	5
6	161	146	141	136	147	238	327	282	211	181	170	161	6
7	161	146	141	136	148	242	325	281	211	181	170	161	7
8	161	146	140	137	148	248	323	277	211	180	169	160	8
9	160	147	140	136	151	255	322	274	209	180	169	160	9
10	157	150	140	135	151	263	321	270	207	181	168	159	10
11	155	149	141	135	151	270	319	267	205	181	168	158	11
12	155	148	141	136	153	278	317	266	204	180	168	157	12
13	156	148	140	135	154	285	316	264	201	180	168	157	13
14	155	148	138	136	155	294	312	260	198	178	168	156	14
15	156	147	138	136	157	299	312	256	195	178	167	155	15
16	154	144	138	136	159	305	311	254	194	178	167	154	16
17	152	144	137	136	160	310	308	252	197	178	167	153	17
18	153	142	137	137	162	313	307	250	202	177	167	152	18
19	155	144	137	137	163	315	305	247	203	177	167	152	19
20	156	144	137	136	165	316	304	242	202	177	166	151	20
21	159	144	137	136	168	318	302	240	202	177	166	151	21
22	156	144	136	138	169	321	302E	237	200	176	166	150	22
23	153	143	137	140	170	323	302E	235	200	176	166	149	23
24	151	144	137	140	171	325	302E	232	198	176	166	148	24
25	150	144	137	141	173	328	302E	230	195	175	166	152	25
26	149	144	136	141	176	335	301E	227	192	174	165	153	26
27	148	142	136	142	178	339	301E	226	191	174	165	151	27
28	151	142	136	142	179	341	301A	223	190	174	164	148	28
29	150		137	142	179	342	298	221	187	173	164	147	29
30	150		137	143	180	340	297	219	186	173	164	148	30
31	152		137E		181		295	217		172		147	31
TOTAL	4 820	4 078	4 297	4 127	4 976	8 822	9 702	7 896	6 057	5 522	5 026	4 800	TOTAL
MEAN	155	146	139	138	161	287	313	255	202	178	168	155	MEAN
MAX	162	150	142	143	181	342	338	284	215	185	172	163	MAX
MIN	148	142	136	135	144	186	295	217	186	172	164	147	MIN

SUMMARY FOR THE YEAR 1983

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 192
MAXIMUM DAILY, 342 ON JUN 29
MINIMUM DAILY, 135E ON APR 4
MAXIMUM INSTANTANEOUS,
343 AT 09:35 CST ON JUN 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 38 47 N
LONG 104 44 05 W
DRAINAGE AREA, 119 000 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	416 000	JUL	838 000
FEB	352 000	AUG	682 000
MAR	371 000	SEP	523 000
APR	357 000	OCT	477 000
MAY	430 000	NOV	434 000
JUN	765 000	DEC	415 000

TOTAL DISCHARGE, 5 040 000 dam³

CHURCHILL RIVER AT SANDY BAY - STATION NO 06EA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	711	890	854	818	530	481	803	487	815	751	720	718	1
2	891	891	852	806	519	481	869	511	826	743	720	717	2
3	886	893	856	893	529	482	829	526	808A	721	716	711	3
4	890	892	858	816	519	476	884	522	492	703	715	699	4
5	707	889	884	833	513	476	801	521	487	697	711	687	5
6	894	888	857	829	509	485	890	502A	522	894	712	670	6
7	702	857	850	831	478	484	884	480A	564	893	700	683	7
8	708	877	852	832	438	488	873	510A	610	891	695	686A	8
9	874	887	853	896	423	486	840	528A	630	887	817	681A	9
10	889	883	855	866	438A	907	906	539	677A	884	671	675A	10
11	700	870	847	811	454A	919	832	530A	714	884	679	689A	11
12	709	882	832	828	460	936	852	542A	724	889	681	684A	12
13	714	883	806	830	471A	950	861	486	728	880	881	889	13
14	718	888	836	834	472A	979	882	384	733	893	882	700	14
15	723	879	848	837	488	812	938	487	735	704	702	713	15
16	881	886	851	810	488	835	917	497	734	709	888	718	16
17	889	878	853	883	477	833A	901	496	742	711	705	723	17
18	883	870	851	803	487	814	934	480	771	711	898	725	18
19	878	883	848	821	495	814	959	412	822	708	713	722	19
20	873	849	826	827	497	819	957A	378	880	891	718	708	20
21	884	852	828	831	905	833	938A	388	831	893	722	707	21
22	886	877	846	832	812	820	938	382	859	891	724	711	22
23	885	873	859	804	813	841	908	377	886	883	724	714	23
24	701	870	834	884	811	810	472	373	888	881	722	720	24
25	885	870	840	834	905	485	482A	386	873	888A	722	726	25
26	881	885	848	880	908	487	818	378	836	887	723	726	26
27	887	840	904	886	810	818	832	386	817	882A	721	720	27
28	700	846	908	881	814	908	835	388	895	703A	721	718	28
29	701		832	815	908	886	842	447	852	897	721	734	29
30	884		838	881	488A	887	832	485	787	712	720	732	30
31	877		840		484A		821	495		718		735	31
TOTAL	21 811	18 798	19 921	18 883	15 226	16 362	18 815	14 181	22 347	21 677	21 114	21 831	TOTAL
MEAN	884	871	843	819	491	845	842	457	745	899	704	704	MEAN
MAX	723	883	859	886	530	835	803	542	886	751	724	735	MAX
MIN	859	840	804	881	423	478	472	382	487	840	817	883	MIN

SUMMARY FOR THE YEAR 1983

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 826
MAXIMUM DAILY, 886 ON SEP 23
MINIMUM DAILY, 382 ON AUG 22
MAXIMUM INSTANTANEOUS,
1 000 AT 13:51 CST ON SEP 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 31 24 N
LONG 102 18 08 W
DRAINAGE AREA, 210 000 km²
A - MANUAL GAUGE

REGULATED SINCE 1928

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 880 000	JUL	1 480 000
FEB	1 620 000	AUG	1 230 000
MAR	1 730 000	SEP	1 830 000
APR	1 800 000	OCT	1 870 000
MAY	1 220 000	NOV	1 820 000
JUN	1 410 000	DEC	1 890 000

TOTAL DISCHARGE, 18 700 000 dam³

CHURCHILL RIVER NEAR PATUANAK - STATION NO. 06BB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	85.2	85.8	82.4	81.7	71.2	82.3	80.8	85.4E	70.0	84.3	80.3	83.3	1
2	83.5	84.3	82.5	81.3	71.0	79.8	82.8	84.0E	69.0	81.0	83.7	82.1	2
3	84.5	84.8	81.5	81.5	72.6	80.9	83.4	84.4E	78.0	84.8	83.9	83.2	3
4	86.0	84.2	83.3	81.7	72.1	79.8	83.5	83.8E	75.0	82.1	89.7	83.0	4
5	85.2	83.8	81.8	81.8	72.1	81.3	82.9	83.3E	70.8	89.1	86.8	81.8	5
6	85.3	84.5	82.3	81.2	72.2	80.4	84.7	82.8E	78.2	83.9	81.1	82.3	6
7	84.3	83.6	82.9	81.8	71.0	83.5	81.8	82.2E	70.3	83.8	82.8	83.6	7
8	85.1	83.7	83.1	84.2	74.0	81.7	80.1	81.7E	74.8	82.2	83.6	82.8	8
9	85.3	84.1	80.8	84.5	74.5	79.5	83.1	81.1E	68.8	82.1	84.8	82.2	9
10	87.1	85.1	81.5	83.6	72.8	82.5	85.4	80.8A	71.1	88.2	89.8	80.8	10
11	84.7	83.5	82.7	84.1	73.5	83.8	87.4	77.8	70.3	85.1	84.4	81.5	11
12	85.8	84.0	83.2	83.3	74.4	86.0	84.9	83.0	70.4	81.3	87.7	82.0	12
13	85.7	84.3	82.6	83.4	77.0	88.7	85.7	83.9	88.3	81.2	81.4	82.9	13
14	85.8	84.5	81.8	84.4	77.5	85.5	83.9	78.7	83.9	88.1	82.0	82.6	14
15	88.3	84.4	83.3	83.7	76.4	80.7	87.6	78.0	89.5	80.7	80.4	81.7	15
16	85.6	84.5	84.4	83.2	75.8	81.6	85.8	75.5	70.0	87.6	88.2	82.9	16
17	84.1	82.8	82.8	83.6	75.5	83.1	88.9	75.9	86.6	81.4	82.3	82.5	17
18	85.3	83.3	82.7	83.5	78.2	80.2	85.0	76.1	83.4	88.4	82.5	81.1	18
19	85.0	84.3	82.0	85.3	76.3	74.8	83.7	79.3	86.4	87.4	83.0	80.6	19
20	85.3	83.0	82.1	84.4	77.1	77.0	81.2	72.9	73.3	80.3	81.6	81.6	20
21	85.8	84.2	82.3	85.2	78.2	83.0	78.5	76.5	87.2	80.4	82.8	81.6	21
22	86.5	83.9	82.0	86.2	78.4	81.5	86.4	72.2	87.2	88.6	81.0	81.3	22
23	86.4	82.7	81.9	86.0	80.7	81.9	84.2	71.7	88.1	83.3	81.8	81.8	23
24	86.3	82.0	83.0	86.5	78.6	78.8	82.4	71.1	89.2	84.4	83.0	81.5	24
25	85.2	83.7	82.8	86.2	76.5	78.7	81.7	72.3	88.0	81.8	84.6	81.9	25
26	84.3	84.2	81.3	70.3	80.3	81.4	87.1	72.3	84.7	80.1	83.1	81.5	26
27	84.9	82.8	81.7	70.1	81.1	83.0	89.6	71.2	71.8	82.5	82.3	81.3	27
28	85.8	82.3	81.4	70.1	78.6	82.5	88.5	71.2	73.0	81.8	82.7	81.1	28
29	84.5		83.6	69.3	77.0	83.3	87.1A	70.8	87.4	80.0	83.5	80.3	29
30	84.4		82.1	70.2	76.2	83.4	86.6E	71.2	87.5	87.9	83.4	80.3	30
31	85.5		82.1		77.3		86.0E	71.8		89.9		89.0	31
TOTAL	2 628.0	1 788.3	1 833.7	1 949.3	2 349.2	2 445.7	2 822.6	2 401.8	2 140.0	1 818.9	1 831.5	1 818.2	TOTAL
MEAN	85.4	83.8	82.4	85.0	75.8	81.5	84.6	77.5	71.3	81.8	81.1	81.8	MEAN
MAX	87.1	85.5	84.4	70.3	81.1	88.7	89.6	85.4	83.4	89.1	88.5	83.6	MAX
MIN	83.5	82.0	80.8	81.2	71.0	74.8	78.5	70.8	83.8	87.4	83.7	89.0	MIN

SUMMARY FOR THE YEAR 1983

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 89.4
MAXIMUM DAILY, 83.0 ON SEP 18
MINIMUM DAILY, 83.7 ON NOV 2
MAXIMUM INSTANTANEOUS,
104 AT 16:35 CST ON SEP 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 55 30 N
LONG 107 43 40 W
DRAINAGE AREA, 78 700 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	175 000	JUL	227 000
FEB	185 000	AUG	208 000
MAR	187 000	SEP	185 000
APR	188 000	OCT	186 000
MAY	203 000	NOV	158 000
JUN	211 000	DEC	186 000

TOTAL DISCHARGE, 2 190 000 dam³

REMARKS - THE MAXIMUM INSTANTANEOUS DISCHARGE OCCURRED AS A RESULT OF WIND EFFECTS

CLEARWATER RIVER AT OUTLET OF LLOYD LAKE - STATION NO. 07CD006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	16.9	15.9	16.0	16.6	28.7	31.6	24.7	22.5	18.4	20.8E	22.4	18.9	1
2	16.7	15.7	16.1	16.7	28.3	31.8	25.6	22.6	19.3	20.8E	20.8	18.7	2
3	17.1	15.7	16.0	16.7	30.3	32.5	26.6	20.9	20.0	20.8E	22.1	18.7	3
4	17.2	15.7	16.2	16.8	30.6	33.5	26.0	21.2	20.1	20.8E	22.9	18.5	4
5	17.2	15.6	16.1	16.7	30.6	33.7	27.4	21.9	20.2	20.6E	23.4	18.6	5
6	17.0	15.7	16.1	16.8	31.3	33.5	28.4	22.3	20.2	20.8E	23.1	18.9	6
7	16.8	15.7	16.1	17.0	31.4	34.4	26.6	22.1	19.8	20.8E	24.2	18.9	7
8	16.8	15.7	16.1	17.4	32.4	33.4	25.5	20.3	21.2	20.9E	23.0	18.7	8
9	17.1	15.8	16.0	17.6	32.5	32.3	26.9	20.6	20.2	20.9E	22.8	18.7	9
10	16.8	16.0	16.1	17.4	32.5	33.3	26.6	20.3	20.3	20.9E	22.5	18.7	10
11	16.5	16.9	16.2	17.5	32.7	33.2	26.5	19.8	20.5	20.8E	22.1	18.9	11
12	16.6	16.0	16.3	17.6	33.0	33.9	25.4	21.5	20.5	21.0E	21.9	19.1	12
13	16.6	16.1	16.2	17.7	33.5	33.6	24.9	21.3	20.1	21.0E	21.6	19.3	13
14	16.4	16.1	16.1	17.9	33.0	33.0	24.3	19.2	19.5	21.0A	21.2	19.0	14
15	16.5	16.2	16.3	17.6	32.9	32.2	24.5	19.3	20.6	23.7	20.8	18.8	15
16	16.2	16.1	16.3	17.8	33.4	32.8	24.8	19.4	20.9	23.7	20.7	18.8	16
17	16.1	15.8	16.2	18.0	33.0	31.8	24.9	19.3	20.5E	21.7	20.6	18.8	17
18	16.1	15.8	16.2	18.2	34.2	31.5	24.2	20.0	20.5E	21.6	20.5	18.5	18
19	16.1	16.0	16.1	18.4	33.1	29.8	24.1	19.8	20.5E	21.7	20.4	18.3	19
20	16.1	15.9	16.1	18.5	33.6	31.5	23.4	19.7	20.6E	22.3	20.4	18.3	20
21	16.1	16.0	16.2	18.8	34.7	31.9	22.2	20.1	20.8E	22.4	20.3	18.2	21
22	16.2	16.0	16.2	19.4	34.8	31.4	23.6	19.3	20.6E	22.1	20.2	18.1	22
23	16.1	16.0	16.3	20.3	34.4	31.6	23.4	19.0	20.6E	23.0	20.1	17.8	23
24	15.9	16.0	16.4	21.6	33.3	31.4	23.6	19.0	20.6E	22.8	20.0	17.8	24
25	15.8	16.2	16.4	23.1	32.7	29.8	22.6	19.2	20.8E	22.4	19.8	17.8	25
26	15.7	16.1	16.4	24.2	33.8	30.1	22.8	19.1	20.7E	23.6	19.8	17.9	26
27	15.8	16.0	16.4	25.2	34.4	30.0	23.1	19.1	20.7E	22.8	19.4	17.8	27
28	15.9	15.9	16.5	26.2	33.8	28.7	23.0	19.5	20.7E	22.3	19.3	17.6	28
29	15.8		16.7	27.1	32.5	29.8	22.7	19.5	20.7E	22.4	19.2	17.4	29
30	15.8		16.7	28.1	32.2	29.1	23.2	19.4	20.7E	22.3	19.0	17.2	30
31	16.0		16.6		32.3		22.7	19.1		22.7		17.1	31
TOTAL	508.0	445.8	503.8	683.3	1 011.2	958.6	774.9	623.6	610.2	675.8	634.1	589.9	TOTAL
MEAN	16.4	15.9	16.2	19.4	32.6	32.0	25.0	20.1	20.3	21.8	21.1	19.4	MEAN
MAX	17.2	16.2	16.7	28.1	34.8	34.4	28.4	22.6	21.2	23.7	24.2	19.3	MAX
MIN	15.7	15.6	16.0	16.6	28.7	29.1	22.2	19.4	19.4	20.8	19.0	17.1	MIN

SUMMARY FOR THE YEAR 1983

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 21.6
MAXIMUM DAILY, 34.8 ON MAY 22
MINIMUM DAILY, 15.6 ON FEB 5
MAXIMUM INSTANTANEOUS,
37.6 AT 19:35 CST ON MAY 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 18 50 N
LONG 109 45 50 W
DRAINAGE AREA, 4 250 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	43 800	JUL	67 000
FEB	35 500	AUG	53 000
MAR	43 500	SEP	52 700
APR	50 400	OCT	58 400
MAY	87 400	NOV	54 800
JUN	82 800	DEC	48 200

TOTAL DISCHARGE, 683 000 dam³

CONJURING CREEK NEAR PREECEVILLE - STATION NO. 05MC004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0088	0.0038	1.13	0.034	0.011	0.188	0.004	0.003	0.013	---	1
2	---	---	0.0088	0.0038	0.824	0.062	0.010	0.112	0.007	0.004	0.012A	---	2
3	---	---	0.0078	0.0038	0.728	0.116	0.008	0.080	0.005	0.005	---	---	3
4	---	---	0.0088	0.0038	0.450	0.128	0.007	0.037	0.004	0.005	---	---	4
5	---	---	0.0088	0.0038	0.264	0.090	0.005	0.022	0.008	0.004	---	---	5
6	---	---	0.0088	0.0028	0.288	0.055	0.002	0.133	0.007	0.005	---	---	6
7	---	---	0.0068	0.0048	0.200	0.033	0.003	0.083	0.003	0.007	---	---	7
8	---	---	0.0048	0.0038	0.180	0.034	0.004	0.034	0.002	0.007	---	---	8
9	---	---	0.0048	0.0048	0.182	0.040	0.007	0.033	0.008	0.007	---	---	9
10	---	---	0.0048	0.0018	0.271	0.048	0.082	0.034	0.008	0.017	---	---	10
11	---	---	0.0038	0.0028	0.387	0.031	0.312	0.029	0.005	0.010	---	---	11
12	---	---	0.0048	0.0028	0.430	0.033	1.88	0.031	0.003	0.009	---	---	12
13	---	---	0.0088	0.0028	0.533	0.873	0.885	0.032	0.006	0.008	---	---	13
14	---	---	0.0068	0.0038	0.545	1.03	0.478	0.037	0.005	0.007	---	---	14
15	---	---	0.0048	0.0038	0.500	0.884	0.842	0.038	0.005	0.007	---	---	15
16	---	---	0.0088	0.0038	0.578	0.555	0.381	0.040	0.008	0.010	---	---	16
17	---	---	0.0058	0.0058	0.578	0.384	0.328	0.032	0.008	0.020	---	---	17
18	---	---	0.0048	0.0078	0.787	0.304	0.212	0.028	0.007	0.015	---	---	18
19	---	---	0.0048	0.0488	0.820	0.148	0.134	0.021	0.007	0.010	---	---	19
20	---	---	0.0058	0.1288	0.508	0.072	0.072	0.021	0.008	0.008	---	---	20
21	---	---	0.0048	0.2928	0.531	0.048	0.093	0.022	0.011	0.007	---	---	21
22	---	---	0.0048	1.82 B	0.439	0.027	0.151	0.028	0.012	0.007	---	---	22
23	---	0.0058	0.0028	5.14 B	0.342	0.020	0.104	0.028	0.008	0.007	---	---	23
24	---	0.0058	0.0028	11.2 B	0.243	0.018	0.087	0.024	0.006	0.007	---	---	24
25	---	0.0058	0.0028	8.58	0.182	0.021	0.048	0.028	0.005	0.007	---	---	25
26	---	0.0058	0.0028	5.43	0.137	0.015	0.431	0.021	0.003	0.007	---	---	26
27	---	0.0058	0.0028	3.83	0.083	0.014	0.851	0.018	0.005	0.007	---	---	27
28	---	0.0088	0.0038	2.88	0.093	0.014	0.330	0.012	0.003	0.007	---	---	28
29	---		0.0038	1.88	0.056	0.013	0.234	0.013	0.002	0.007	---	---	29
30	---		0.0038	1.44	0.028	0.010	0.327	0.011	0.002	0.025	---	---	30
31	---		0.0058		0.027		0.230	0.008		0.015		---	31
TOTAL	---	---	0.130	42.124	12.327	5.032	7.754	1.230	0.178	0.271	---	---	TOTAL
MEAN	---	---	0.004	1.40	0.398	0.168	0.250	0.040	0.006	0.009	---	---	MEAN
MAX	---	---	0.007	11.2	1.13	1.03	1.86	0.188	0.012	0.025	---	---	MAX
MIN	---	---	0.002	0.001	0.027	0.010	0.002	0.008	0.002	0.003	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.282
MAXIMUM DAILY, 11.28 ON APR 24
MINIMUM DAILY, 0.0018 ON APR 10
MAXIMUM INSTANTANEOUS,
14.38 AT 07:23 CST ON APR 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 56 30 N
LONG 102 43 00 W
DRAINAGE AREA, 255 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	670
FEB	---	AUG	105
MAR	11.2	SEP	15.1
APR	3 840	OCT	23.4
MAY	1 070	NOV	---
JUN	435	DEC	---

TOTAL DISCHARGE, 5 970 dam³

CONNELL CREEK NEAR CONNELL CREEK - STATION NO 05KC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.1748	0.1588	1.84	0.483	0.405	0.831	0.159	0.498	---	---	1
2	---	---	0.1748	0.1528	1.82	0.509	0.459	0.508	0.187	0.477	---	---	2
3	---	---	0.1748	0.1488	1.58	0.827	0.900	0.458	0.228	0.473	---	---	3
4	---	---	0.1748	0.1438	1.24	2.10	5.20	0.433	0.250	0.452	---	---	4
5	---	---	0.1748	0.1418	1.11	1.85	8.75	0.383	0.331	0.448	---	---	5
6	---	---	0.1748	0.1538	1.01	1.87	5.22	0.413	0.452	0.522	---	---	6
7	---	---	0.1748	0.1688	0.736	1.40	3.26	0.424	0.819	0.589	---	---	7
8	---	---	0.1148	0.1818	2.03	1.27	2.29	0.287	0.881	0.532	---	---	8
9	---	---	0.1588	0.1858	1.37	1.16	1.84	0.245	0.774	0.520	---	---	9
10	---	---	0.1708	0.1798	1.07	1.01	1.88	0.235	1.34	0.500	---	---	10
11	---	---	0.1548	0.1888	0.915	0.921	2.37	0.300	1.80	0.482	---	---	11
12	---	---	0.1248	0.1858	0.809	1.05	3.93	0.188	1.53	0.514	---	---	12
13	---	---	0.1108	0.1808	0.700	1.37	3.87	0.248	1.21	0.534	---	---	13
14	---	---	0.1488	0.1818	0.721	2.18	2.73	1.00	1.10	0.530	---	---	14
15	---	---	0.1818	0.2078	0.888	5.28	4.02	0.813	0.887	0.541	---	---	15
16	---	---	0.1518	0.2388	0.854	5.01	5.38	0.770	0.704	0.531	---	---	16
17	---	---	0.1478	0.1878	0.826	3.85	4.88	0.726	0.852	0.518	---	---	17
18	---	---	0.1528	0.1888	0.886	2.40	4.08	0.483	0.852	0.484	---	---	18
19	---	---	0.1718	1.77 B	1.25	1.77	3.01	0.387	1.01	0.498	---	---	19
20	---	---	0.1728	3.43 B	1.23	1.48	2.14	0.382	1.41	0.478	---	---	20
21	---	---	0.1818	3.05 B	3.03	1.21	1.82	0.286	1.80	0.441	---	---	21
22	---	---	0.2108	1.88	1.84	2.14	1.87	0.352	1.31	0.438	---	---	22
23	---	---	0.2058	2.18	1.40	1.12	1.71	0.306	1.18	0.425	---	---	23
24	---	---	0.1908	2.28	1.13	0.762	1.82	0.267	1.04	0.412	---	---	24
25	---	---	0.1848	2.20	0.842	0.681	1.36	0.244	0.898	0.409	---	---	25
26	---	---	0.1588	2.58	0.835	0.800	1.18	0.215	0.788	0.397	---	---	26
27	---	---	0.1528	1.87	0.843	0.435	1.08	0.230	0.811	0.387	---	---	27
28	---	---	0.1488	1.81	0.727	0.383	1.02	0.243	0.833	0.374	---	---	28
29	---		0.1488	1.64	0.788	0.363	0.888	0.218	0.831	0.388	---	---	29
30	---		0.1518	1.78	0.858	0.384	0.802	0.188	0.821	0.382	---	---	30
31	---		0.1578		0.821		0.789	0.187		0.383A		---	31
TOTAL	---	---	5.050	28.888	35.408	45.338	78.153	12.040	25.338	14.479	---	---	TOTAL
MEAN	---	---	0.163	0.980	1.14	1.51	2.52	0.388	0.845	0.467	---	---	MEAN
MAX	---	---	0.210	3.43	3.03	5.28	8.75	1.00	1.80	0.588	---	---	MAX
MIN	---	---	0.110	0.141	0.821	0.384	0.405	0.186	0.159	0.383	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IE CUBIC METRES PER SECOND

MEAN, 1.00
MAXIMUM DAILY, 8.75 ON JUL 5
MINIMUM DAILY, 0.1108 ON MAR 13
MAXIMUM INSTANTANEOUS,
8.99 AT 15:01 CST ON JUL 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 13 03 N
LONG 103 25 48 W
DRAINAGE AREA, 385 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	6 750
FEB	---	AUG	1 040
MAR	438	SEP	2 180
APR	2 680	OCT	1 250
MAY	3 080	NOV	---
JUN	3 920	DEC	---

TOTAL DISCHARGE, 21 200 dam³

COOKSON RESERVOIR NEAR CORONACH - STATION NO. 11AE013

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	782.687	782.730	782.926	783.065	783.004	782.922	782.807	782.714	782.486	782.343	782.311	782.313	1
2	782.684	782.733	782.942	783.070	782.998	782.921	782.805	782.715	782.473	782.346	782.309	782.312	2
3	782.690	782.733	782.957	783.068	782.987	782.914	782.798	782.713	782.458	782.348	782.309	782.317	3
4	782.693	782.730	782.972	783.068	782.985	782.909	782.787	782.712	782.462	782.345	782.313	782.317	4
5	782.695	782.733	782.980	783.069	782.978	782.907	782.788	782.702	782.437	782.340	782.311	782.320	5
6	782.700	782.736	782.982	783.072	782.968	782.903	782.798	782.701	782.421	782.337	782.314	782.322	6
7	782.703	782.738	782.981	783.076	782.954	782.902	782.800	782.694	782.413	782.336	782.318	782.321	7
8	782.704	782.735	782.986	783.073	782.950	782.900	782.784	782.678	782.403	782.336	782.319	782.316	8
9	782.708	782.740	782.988	783.069	782.942	782.898	782.780	782.678	782.398	782.338	782.313	782.316	9
10	782.708	782.742	782.997	783.084	782.934	782.897	782.784	782.678	782.388	782.336	782.321	782.316	10
11	782.695	782.739	783.010	783.084	782.923	782.891	782.786	782.670	782.386	782.334	782.323	782.324	11
12	782.713	782.747	783.036	783.088	782.926	782.897	782.797	782.685	782.391	782.345	782.327	782.326	12
13	782.708	782.764	783.073	783.086	782.935	782.893	782.799	782.646	782.389	782.381	782.331	782.331	13
14	782.704	782.755	783.085	783.083	782.933	782.888	782.795	782.638	782.385	782.347	782.336	782.328	14
15	782.709	782.755	783.080	783.089	782.927	782.886	782.782	782.626	782.388	782.341	782.335	782.325	15
16	782.713	782.760	783.085	783.087	782.925	782.881	782.774	782.617	782.385	782.337	782.332	782.322	16
17	782.707	782.758	783.085	783.070	782.933	782.874	782.772	782.606	782.378	782.331	782.332	782.313	17
18	782.714	782.762	783.024	783.068	782.936	782.882	782.771	782.592	782.383	782.328	782.327	782.316	16
19	782.718	782.763	783.003	783.068	782.936	782.868A	782.772	782.571	782.383	782.330	782.325	782.314	19
20	782.720	782.762	782.995	783.087	782.939	782.851E	782.786	782.580	782.384	782.336	782.321	782.310	20
21	782.720	782.774	782.985	783.086	782.940	782.847E	782.788	782.581	782.381	782.339	782.318	782.305	21
22	782.722	782.785	782.963	783.080	782.940	782.843E	782.784	782.537	782.385	782.337	782.313	782.303	22
23	782.723	782.788	782.925	783.054	782.947	782.839E	782.748	782.532	782.388	782.336	782.310	782.288	23
24	782.730	782.809	782.926	783.049	782.947	782.838E	782.742	782.531	782.389	782.330	782.317	782.284	24
25	782.723	782.837	782.929	783.038	782.946	782.832E	782.736	782.529	782.350	782.328	782.315	782.300	25
26	782.720	782.885	782.933	783.023	782.953	782.828E	782.738	782.523	782.351	782.325	782.311	782.305	26
27	782.729	782.894	782.936	783.014	782.951	782.824E	782.735	782.513	782.350	782.324	782.308	782.306	27
28	782.730	782.913	782.942	783.005	782.942	782.820A	782.731	782.505	782.342	782.315	782.309	782.302	28
29	782.732		782.953	783.010	782.937	782.812	782.726	782.502	782.335	782.315	782.309	782.308	29
30	782.728		783.017	783.009	782.927	782.810	782.723	782.494	782.342	782.313	782.310	782.313	30
31	782.729		783.080		782.926		782.720	782.491		782.313		782.317	31
MEAN	782.711	782.771	782.988	783.055	782.948	782.871	782.772	782.609	782.385	782.334	782.318	782.314	MEAN
MAX	782.732	782.913	783.085	783.075	783.004	782.922	782.807	782.715	782.488	782.351	782.338	782.331	MAX
MIN	782.684	782.730	782.925	783.005	782.923	782.810	782.720	782.491	782.335	782.313	782.309	782.294	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MEAN, 782.872
MAXIMUM DAILY, 783.085 ON MAR 14
MINIMUM DAILY, 782.294 ON DEC 24
MAXIMUM INSTANTANEOUS,
783.090 AT 12:27 CST ON MAR 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 03 40 N
LONG 105 26 33 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED SINCE 1975

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

COTTONWOOD CREEK NEAR LUMSDEN - STATION NO. 05JF011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.008E	0	0.008	0.085	0	0	0	---	1
2	---	---	0B	0 B	0.008E	0	0.007	0.048	0	0	0	---	2
3	---	---	0B	0 B	0.005E	0	0.005	0.045	0	0	---	---	3
4	---	---	0B	0.0018	0.004E	0	0.003	0.058	0	0	---	---	4
5	---	---	0B	0.2108	0.003E	0	0.002	0.055	0	0	---	---	5
6	---	---	0B	0.6538	0.002E	0	0.002	0.019	0	0	---	---	6
7	---	---	0B	2.35 B	0.002E	0	0.002	0.008	0	0	---	---	7
8	---	---	0B	2.23 B	0.001E	0	0	0.001	0	0	---	---	8
9	---	---	0B	1.78 B	0.001A	0	0.004	0.002	0.001	0	---	---	9
10	---	---	0B	1.69 B	0.002	0	0.118	0.001	0.001	0	---	---	10
11	---	---	0B	1.48	0.002	0	0.085	0.008	0.001	0	---	---	11
12	---	---	0B	1.25	0.001	0	0.008	0.010	0.002	0	---	---	12
13	---	---	0B	0.861	0.008	0	0.003	0.009	0.001	0	---	---	13
14	---	---	0B	0.627	0.013	0	0.017	0.008	0	0	---	---	14
15	---	---	0B	0.806	0.008	0	0.011	0	0	0	---	---	15
16	---	---	0B	0.487	0.008	0	0.013	0	0	0	---	---	16
17	---	---	0B	0.535	0.012	0	0.012	0	0	0	---	---	17
18	---	---	0B	0.445	0.005	0	0.038	0	0	0	---	---	18
19	---	---	0B	0.472	0.002	0	0.078	0.001	0	0	---	---	19
20	---	---	0B	0.474	0	0	0.348	0.001	0	0	---	---	20
21	---	---	0B	0.355	0	0	1.55	0.002	0	0	---	---	21
22	---	---	0B	0.282	0	0	0.362	0.001	0	0	---	---	22
23	---	---	0B	0.225	0.001	0	0.180	0	0	0	---	---	23
24	---	---	0B	0.137	0.002	0.011	0.248	0	0	0	---	---	24
25	---	---	0B	0.077	0	0.003	0.308	0	0	0	---	---	25
26	---	---	0B	0.048	0	0.001	0.304	0	0	0	---	---	26
27	---	---	0B	0.022	0	0	0.258	0	0	0	---	---	27
28	---	---	0B	0.013	0	0	0.204	0	0	0	---	---	28
29	---		0B	0.012E	0	0	1.35	0	0	0	---	---	29
30	---		0B	0.010E	0	0.004	0.328	0	0	0	---	---	30
31	---		0B		0		0.122	0		0		---	31
TOTAL	---	---	0	17.540	0.088	0.019	5.902	0.340	0.005	0	---	---	TOTAL
MEAN	---	---	0	0.585	0.003	0.001	0.190	0.011	0	0	---	---	MEAN
MAX	---	---	0	2.35	0.013	0.011	1.55	0.085	0.002	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.995
MAXIMUM DAILY, 2.388 ON APR 7
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
7.38 AT 18:39 CST ON JUL 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 35 28 N
LONG 104 54 31 W
DRAINAGE AREA, 813 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	510
FEB	---	AUG	28.4
MAR	0	SEP	0.52
APR	1 520	OCT	0
MAY	7.80	NOV	---
JUN	1.84	DEC	---

TOTAL DISCHARGE, 2 070 dam³

COWAN LAKE NEAR HONEYMOON POINT - STATION NO. 06AE002

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	476.449	476.289	476.239	476.220	476.118	476.164	476.155	---	1
2	---	---	---	---	476.429	476.291	476.237	476.210	476.118E	476.158	476.154E	---	2
3	---	---	---	---	476.419	476.269	476.275	476.200	476.118E	476.184	476.154E	---	3
4	---	---	---	---	476.405	476.259	476.273	476.210	476.120E	476.166	476.154E	---	4
5	---	---	---	---	476.389	476.241	476.275	476.202	476.120	476.165E	476.153	---	5
6	---	---	---	---	476.369	476.223	476.275	476.200	476.150	476.184	476.149	---	6
7	---	---	---	---	476.363E	476.231	476.275	476.210	476.144	476.166	476.163	---	7
8	---	---	---	---	476.357	476.232E	476.273	476.188	476.140	476.184	476.157	---	8
9	---	---	---	---	476.388	476.234E	476.273	476.192	476.144	476.162	476.153	---	9
10	---	---	---	---	476.384E	476.235E	476.273	476.180	476.141	476.162	476.155	---	10
11	---	---	---	---	476.359	476.236E	476.275	476.170	476.139	476.162	476.157E	---	11
12	---	---	---	---	476.361	476.237	476.267	476.184	476.149	476.158	476.159	---	12
13	---	---	---	---	476.388	476.227	476.269	476.184	476.151	476.160	476.159	---	13
14	---	---	---	---	476.381	476.219	476.268E	476.180	476.144E	476.162	---	---	14
15	---	---	---	---	476.388	476.219E	476.269	476.160	476.137	476.162	---	---	15
16	---	---	---	---	476.369	476.219	476.260	476.158	476.143	476.161E	---	---	16
17	---	---	---	---	476.355	476.216E	476.255E	476.158	476.167	476.160	---	---	17
18	---	---	---	---	476.352E	476.213E	476.250	476.150	476.170E	476.159E	---	---	18
19	---	---	---	---	476.349	476.210E	476.255	476.150	476.174E	476.157E	---	---	19
20	---	---	---	---	476.359	476.207	476.250	476.142	476.178E	476.156E	---	---	20
21	---	---	---	---	476.383	476.209	476.250	476.132	476.181	476.154	---	---	21
22	---	---	---	---	476.389	476.219	476.288	476.132	476.177	476.154E	---	---	22
23	---	---	---	---	476.367E	476.209	476.250E	476.126	476.175	476.153	---	---	23
24	---	---	---	---	476.365	476.209	476.214	476.129E	476.181	476.155	---	---	24
25	---	---	---	---	476.365	476.249	476.218	476.130	476.181	476.157	---	---	25
26	---	---	---	---	476.349	476.243	476.228	476.128	476.181	476.149	---	---	26
27	---	---	---	---	476.345	476.239	476.230	476.127E	476.213	476.151	---	---	27
28	---	---	---	---	476.335	476.241	476.223E	476.126	476.195	476.147	---	---	28
29	---		---	---	476.319	476.257	476.218	476.124	476.189	476.149	---	---	29
30	---		---	---	476.299	476.251	476.234	476.120	476.181	476.149	---	---	30
31	---		---		476.292		476.220	476.118		476.149		---	31
MEAN	---	---	---	---	476.384	476.234	476.253	476.162	476.158	476.158	---	---	MEAN
MAX	---	---	---	---	476.449	476.291	476.288	476.220	476.213	476.166	---	---	MAX
MIN	---	---	---	---	476.292	476.207	476.214	476.118	476.118	476.147	---	---	MIN

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 57 52 N
LONG 107 12 24 W
DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

CREE LAKE AT CABLE BAY - STATION NO. 07LD001

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	486.774	486.800	486.831	486.829	486.831	486.905	486.905	486.851	486.782	486.727	486.697	486.669E	1
2	486.779	486.806	486.837	486.829	486.837	486.929	486.891	486.868	486.823	486.758	486.711	486.669E	2
3	486.785	486.803	486.842	486.827	486.838	486.892	486.921	486.871	486.811	486.745	486.698A	486.669E	3
4	486.783	486.802	486.837	486.824	486.837	486.885	486.896	486.833	486.802	486.715	486.694E	486.668E	4
5	486.786	486.802	486.840	486.825	486.839	486.889	486.882	486.838	486.813	486.695	486.692E	486.668E	5
6	486.788	486.806	486.838	486.822	486.839	486.898	486.871	486.837	486.814	486.715	486.691E	486.668A	6
7	486.793	486.813	486.835	486.823	486.847	486.896	486.881	486.829	486.811	486.711	486.690E	486.662	7
8	486.790	486.813	486.836	486.834	486.837	486.895	486.887	486.838	486.801	486.718	486.689E	486.664	8
9	486.785	486.811	486.844	486.826	486.835	486.908	486.886	486.840	486.810	486.711	486.688E	486.668	9
10	486.784	486.812	486.838	486.832	486.836	486.908	486.854	486.835	486.803	486.710	486.687E	486.674	10
11	486.790	486.818	486.838	486.832	486.837	486.927	486.850	486.841	486.800	486.704	486.686E	486.677	11
12	486.795	486.821	486.840	486.834	486.836	486.906	486.860	486.815	486.796	486.706	486.685E	486.680	12
13	486.795	486.822	486.842	486.831	486.836	486.904	486.854	486.790	486.796	486.713	486.684E	486.678	13
14	486.793	486.818	486.846	486.827	486.838	486.915	486.893	486.821	486.803	486.735	486.683E	486.678	14
15	486.791	486.815	486.838	486.831	486.842	486.912	486.854	486.809	486.780	486.711	486.682E	486.681	15
16	486.788	486.814	486.838	486.828	486.838	486.907	486.862	486.785	486.789	486.700	486.681E	486.680	16
17	486.802	486.826	486.836	486.830	486.837	486.914	486.841	486.795	486.815	486.716	486.680E	486.681	17
18	486.788	486.826	486.838	486.827	486.839	486.915	486.840	486.802	486.771	486.706	486.679E	486.683	18
19	486.788	486.821	486.840	486.827	486.845	486.932	486.852	486.820	486.771	486.709	486.678E	486.683	19
20	486.788	486.828	486.838	486.830	486.849	486.921	486.860	486.801	486.773	486.710	486.677E	486.684	20
21	486.800	486.824	486.836	486.828	486.851	486.920	486.856	486.783	486.775	486.710	486.676E	486.685	21
22	486.798	486.824	486.837	486.833	486.848	486.920	486.856	486.782	486.788	486.718	486.675E	486.686	22
23	486.795	486.827	486.837	486.836	486.844	486.908	486.842	486.803	486.782	486.695	486.674E	486.686	23
24	486.793	486.834	486.834	486.836	486.847	486.910	486.851	486.798	486.783	486.693	486.673E	486.686	24
25	486.795	486.828	486.832	486.837	486.849	486.909	486.854	486.791	486.757	486.704	486.672E	486.686	25
26	486.800	486.832	486.832	486.833	486.852	486.910	486.878	486.791	486.789	486.693	486.672E	486.689	26
27	486.803	486.834	486.834	486.832	486.848	486.892	486.869	486.788	486.742	486.695	486.671E	486.690	27
28	486.803	486.832	486.834	486.830	486.852	486.888	486.883	486.788	486.730	486.692	486.671E	486.690	28
29	486.806		486.837	486.836	486.854	486.893	486.878	486.794	486.726	486.689	486.670E	486.694	29
30	486.805		486.833	486.833	486.851	486.903	486.863	486.796	486.726	486.698	486.670E	486.700	30
31	486.801		486.830		486.849		486.870	486.786		486.695		486.700	31
MEAN	486.794	486.818	486.837	486.830	486.842	486.908	486.870	486.814	486.782	486.710	486.682	486.680	MEAN
MAX	486.806	486.834	486.846	486.837	486.854	486.969	486.921	486.871	486.823	486.758	486.711	486.700	MAX
MIN	486.774	486.800	486.827	486.822	486.831	486.885	486.840	486.783	486.726	486.689	486.670	486.662	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MEAN, 486.797
MAXIMUM DAILY, 486.969 ON JUN 25
MINIMUM DAILY, 486.662 ON DEC 7
MAXIMUM INSTANTANEOUS,
486.998 AT 12:42 CST ON JUN 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 21 00 N
LONG 107 08 00 W

A - MANUAL GAUGE

E - ESTIMATED

NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - THE MAXIMUM INSTANTANEOUS WATER LEVEL OCCURRED AS A RESULT OF WIND EFFECT

CREE RIVER AT OUTLET OF WAPATA LAKE - STATION NO. 07LD002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	92.1	89.3E	89.0	113	139E	141	146	133	123	133	123	91.9	1
2	92.2	89.2E	90.1	113	141E	139	146	134	122	132	122	90.8	2
3	92.8A	89.1E	91.9	113	143E	140	143	134	121	132	121	90.1	3
4	92.8E	89.0E	93.4	113	145E	140	140	132	122	131	121	89.4	4
5	92.4E	88.8E	94.1	113	147E	141	138	132	123	130	121	88.7	5
6	92.3E	88.7E	94.8	114	148E	142	136	132	123	131	121	88.5	6
7	92.1E	88.6E	95.6	116A	149E	144	135	131	123	131	121	88.2	7
8	92.0E	88.5E	96.9	117E	150E	145	135	131	125	130	121	88.3	8
9	91.9E	88.4E	98.2	118	150E	146	134	129	126	129	119	88.5	9
10	91.8F	88.3E	99.2	118	150E	152	133	129	127	128	113	88.8	10
11	91.7E	88.2E	100	119	150E	154	132	128	128	128	107	89.5	11
12	91.6E	87.9E	101	119	150A	156	131	128	130	127	103	90.0	12
13	91.5E	87.8E	102	119	149	159	130	126	130	127	103	90.3	13
14	91.3E	87.7E	102	119	148	162	130	125	130	127	102	90.5	14
15	91.2E	87.6E	103	119	148	163	129	124	130	126	102	90.6	15
16	91.1E	87.5E	105	120	146	165	128	124	131	124	102	90.8	16
17	91.0E	87.4E	105	120	146	165	130	123	132	123	102	91.1	17
18	90.9E	87.3E	105	121	146	165	129	133	132	123	103	90.8	18
19	90.8E	87.2E	106	121	146	165	130	122	135	123	103	90.3	19
20	90.7E	87.1E	107	121	145	164	130	122	136	124	103	90.2	20
21	90.5E	87.0A	108	122E	144	162	130	122	135	124	103	89.6	21
22	90.4E	87.0	109	123E	143	161	129	123	135	124	103	89.0	22
23	90.3E	87.1	110	124E	142	160	128	124	134	124	103	88.1	23
24	90.2E	87.4	111	125E	143	158	128	125	134	123	103	88.0	24
25	90.1E	87.8	111	126E	143	157	128	125	135	123	103	87.5	25
26	90.0E	88.1	111	127E	142	154	127	125	135	123	102	86.8	26
27	89.9E	88.2	112	128E	141	153	128	125	135	123	99.6	86.0	27
28	89.8E	88.5	112	131E	142	150	129	125	134	123	97.1	85.4	28
29	89.8E		113	134E	142	149	130	124	134	123	94.1	84.6	29
30	89.8E		113	138E	142	148	130	124	133	123	93.5	84.3	30
31	89.4E		113		142		131	124		122		83.8	31
TOTAL	2 823.4	2 484.7	3 202.5	3 823	4 502	4 503	4 108	3 928	3 895	3 914	3 233.3	2 750.4	TOTAL
MEAN	91.1	88.0	103	121	145	153	132	127	130	126	108	88.7	MEAN
MAX	92.8	89.3	113	136	150	165	146	134	136	133	122	91.9	MAX
MIN	89.4	87.0	89.0	113	139	139	127	122	121	122	93.5	83.8	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 118
MAXIMUM DAILY, 166 ON JUN 19
MINIMUM DAILY, 83.8 ON DEC 31
MAXIMUM INSTANTANEOUS,
167 AT 11:46 CST ON JUN 19

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 51 30 N
LONG 105 49 10 W
DRAINAGE AREA, 21 200 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	244 000	JUL	355 000
FEB	213 000	AUG	339 000
MAR	277 000	SEP	337 000
APR	313 000	OCT	338 000
MAY	388 000	NOV	278 000
JUN	388 000	DEC	238 000

TOTAL DISCHARGE, 3 720 000 dam³

CREIGHTON TRIBUTARY NEAR TOTNES - STATION NO. 05HF014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0 B	0.0318	0.002	0.001	0	0	0	0.001	0.001	---	1
2	---	0 B	0 B	0.0368	0.002	0.001	0.008	0	0	0.001	0.001A	---	2
3	---	0 B	0.0018	0.0288	0.002	0.001	0.018	0	0	0.001	---	---	3
4	---	0 B	0 B	0.0148	0.002	0.001	0.015	0	0	0	---	---	4
5	---	0 B	0 B	0.011	0.002	0.001	0.003	0	0	0	---	---	5
6	---	0 B	0 B	0.008	0.002	0.001	0.001	0	0	0	---	---	6
7	---	0 B	0 B	0.007	0.002	0	0.001	0	0	0.001	---	---	7
8	---	0 B	0 B	0.008	0.002	0	0.001	0	0	0.001	---	---	8
9	---	0 B	0.0018	0.004	0.002	0.001	0	0	0	0.001	---	---	9
10	---	0 B	0.0028	0.003	0.004	0	0.003	0	0	0	---	---	10
11	---	0 B	0.0028	0.0028	0.008	0	0.002	0	0	0	---	---	11
12	---	0 B	0.0028	0.0028	0.008	0.001	0.001	0	0	0.001	---	---	12
13	---	0 B	0.0028	0.0028	0.008	0	0.001	0	0	0.001	---	---	13
14	---	0 B	0.0018	0.008	0.007	0	0	0	0	0.001	---	---	14
15	---	0 B	0.0018	0.008	0.008	0	0	0	0	0.001	---	---	15
16	---	0 B	0.0018	0.008	0.004	0	0.001	0	0	0.001	---	---	16
17	---	0 B	0.0018	0.008	0.003	0	0.001	0	0	0.001	---	---	17
18	---	0 B	0.0018	0.008	0.002	0	0.001	0	0	0.001	---	---	18
19	---	0 B	0.0028	0.022	0.002	0	0	0	0	0.001	---	---	19
20	---	0.0018	0.0028	0.008	0.002	0	0.002	0	0	0.001	---	---	20
21	---	0.0018	0.001	0.004	0.002	0	0.002	0	0	0.001	---	---	21
22	---	0.0018	0.001	0.003	0.002	0	0	0	0	0.001	---	---	22
23	---	0.0018	0.001	0.003	0.002	0	0	0	0	0.001	---	---	23
24	---	0.0018	0.001	0.003	0.002	0	0	0	0	0.001	---	---	24
25	---	0.0018	0.001	0.005	0.001	0	0	0	0	0.001	---	---	25
26	---	0 B	0.001	0.0088	0.001	0	0	0	0	0.001	---	---	26
27	---	0 B	0.0188	0.0088	0.001	0	0	0	0	0.001	---	---	27
28	---	0 B	0.1288	0.005	0.001	0	0	0	0	0.001	---	---	28
29	---		0.0608	0.003	0.001	0	0	0	0	0.001	---	---	29
30	---		0.0388	0.003	0.001	0	0	0	0	0.001	---	---	30
31	---		0.0258		0.001		0	0				---	31
TOTAL	---	0.006	0.394	0.254	0.078	0.006	0.059	0	0	0.025	---	---	TOTAL
MEAN	---	0	0.009	0.008	0.003	0	0.002	0	0	0.001	---	---	MEAN
MAX	---	0.001	0.128	0.036	0.007	0.001	0.018	0	0	0.001	---	---	MAX
MIN	---	0	0	0.002	0.001	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.003
MAXIMUM DAILY, 0.128B ON MAR 28
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.263B AT 18:02 CST ON MAR 28

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 20 03 N
LONG 106 27 03 W
DRAINAGE AREA, 13.2 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	5.10
FEB	0.83	AUG	0
MAR	28.4	SEP	0
APR	21.8	OCT	2.25
MAY	8.83	NOV	---
JUN	0.59	DEC	---

TOTAL DISCHARGE, 82.2 dam³

CROMARTY CREEK NEAR BIRCH HILLS - STATION NO. 05HH002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.043E	0	0	0	0	0	---	---	1
2	---	---	0B	0 B	0.041E	0	0.022	0	0	0	---	---	2
3	---	---	0B	0 B	0.038A	0	0.320	0	0	0	---	---	3
4	---	---	0B	0 B	0.038E	0	0.387	0	0	0	---	---	4
5	---	---	0B	0 B	0.034E	0	0.023	0	0	0	---	---	5
6	---	---	0B	0 B	0.031E	0	0	0	0	0	---	---	6
7	---	---	0B	0 B	0.028E	0	0	0	0	0	---	---	7
8	---	---	0B	0.100B	0.026E	0	0	0	0	0	---	---	8
9	---	---	0B	1.32 A	0.022E	0	0	0	0	0	---	---	9
10	---	---	0B	0.350E	0.017E	0	0	0	0	0	---	---	10
11	---	---	0B	0.170E	0.010E	0	0	0	0	0	---	---	11
12	---	---	0B	0.118A	0 A	0	0	0	0	0	---	---	12
13	---	---	0B	0.063E	0 E	0	0	0	0	0	---	---	13
14	---	---	0B	0.048A	0 E	0	0	0	0	0	---	---	14
15	---	---	0B	0.034E	0.025E	0	0	0	0	0	---	---	15
16	---	---	0B	0.028E	0.087A	0	0	0	0	0	---	---	16
17	---	---	0B	0.080E	0.082	0	0	0	0	0	---	---	17
18	---	---	0B	0.474	0.025	0	0	0	0	0	---	---	18
19	---	---	0B	1.87	0.009	0	0	0	0	0	---	---	19
20	---	---	0B	0.892	0.004	0	0	0	0	0	---	---	20
21	---	---	0B	0.326A	0.002	0	0	0	0	0	---	---	21
22	---	---	0B	0.214A	0	0	0	0	0	0	---	---	22
23	---	---	0B	0.150E	0	0	0	0	0	0	---	---	23
24	---	---	0B	0.120E	0	0	0	0	0	0	---	---	24
25	---	---	0B	0.092E	0	0	0	0	0	0	---	---	25
26	---	---	0B	0.073E	0	0	0	0	0	0	---	---	26
27	---	---	0B	0.065A	0	0	0	0	0	0	---	---	27
28	---	---	0B	0.054E	0	0	0	0	0	0	---	---	28
29	---		0B	0.048E	0	0	0	0	0	0	---	---	29
30	---		0B	0.048E	0	0	0	0	0	0		---	30
31	---		0B		0		0	0		0			31
TOTAL	---	---	0	5.733	0.520	0	0.753	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.224	0.017	0	0.024	0	0	0	---	---	MEAN
MAX	---	---	0	1.87	0.087	0	0.387	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.033
MAXIMUM DAILY, 1.87 ON APR 19
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 57 32 N
LONG 105 28 16 W
DRAINAGE AREA, 71.7 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	85.0
FEB	---	AUG	0
MAR	0	SEP	0
APR	582	OCT	0
MAY	44.9	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 892 dam³

CROOKED HILL CREEK NEAR CANORA - STATION NO. 05MB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	7.98	0.151	0.018	0.120E	0	0	---	---	1
2	---	---	0B	0 B	6.14	0.137	0.023	0.090E	0	0	---	---	2
3	---	---	0B	0 B	4.90	0.157	0.078	0.132A	0	0	---	---	3
4	---	---	0B	0 B	3.86	0.188	0.182	0.278	0	0	---	---	4
5	---	---	0B	0 B	3.01	0.130	0.048	0.343	0	0	---	---	5
6	---	---	0B	0 B	3.33	0.092	0.030A	0.324	0	0	---	---	6
7	---	---	0B	0 B	2.65	0.091	0.020E	0.288	0	0	---	---	7
8	---	---	0B	0 B	2.14	0.113	0.018E	0.294	0	0	---	---	8
9	---	---	0B	0 B	1.89	0.080	0.010E	0.355	0	0	---	---	9
10	---	---	0B	0 B	1.85	0.034	0.020E	0.315	0.007	0	---	---	10
11	---	---	0B	0 B	1.80	0.048	0.080E	0.272	0.011	0	---	---	11
12	---	---	0B	0 B	1.25	0.078	0.075E	0.214	0.005	0	---	---	12
13	---	---	0B	0 B	1.45	0.112	0.050E	0.178	0.003	0	---	---	13
14	---	---	0B	0 B	1.18	0.080	0.038E	0.102	0.034	0	---	---	14
15	---	---	0B	0 B	1.10	0.073	0.030E	0.088	0.025	0	---	---	15
16	---	---	0B	0 B	1.37	0.063	0.025E	0.092	0.002	0	---	---	16
17	---	---	0B	0 B	1.85	0.063	0.020E	0.093	0.003	0	---	---	17
18	---	---	0B	0 B	2.77	0.085	0.015E	0.095	0.001	0	---	---	18
19	---	---	0B	0.074B	2.91	0.042	0.010E	0.092	0.001	0	---	---	19
20	---	---	0B	0.262B	2.34	0.028	0.010E	0.093	0.002	0	---	---	20
21	---	---	0B	0.106B	2.09	0.014	0.040E	0.092	0.002	0	---	---	21
22	---	---	0B	0.089B	1.85	0.007	0.050E	0.093	0.001	0	---	---	22
23	---	---	0B	3.35 B	1.44	0.003	0.030E	0.092	0.001	0	---	---	23
24	---	---	0B	8.39 B	1.19	0.001	0.020E	0.091	0	0	---	---	24
25	---	---	0B	18.6	0.923	0.001	0.010E	0.091	0	0	---	---	25
26	---	---	0B	18.6	0.676	0.033	0.090E	0.091	0	0	---	---	26
27	---	---	0B	17.2	0.577	0.052	0.180E	0.038	0	0	---	---	27
28	---	---	0B	15.0	0.450	0.047	0.250E	0.030	0 A	0	---	---	28
29	---		0B	12.6	0.295	0.030	0.230E	0.011	0	0	---	---	29
30	---		0B	9.93	0.223	0.031	0.210E	0.003	0	0	---	---	30
31	---		0B		0.174		0.180E	0		0			31
TOTAL	---	---	0	105.011	66.488	1.974	2.050	3.420	0.098	0	---	---	TOTAL
MEAN	---	---	0	3.53	2.14	0.066	0.066	0.110	0.003	0	---	---	MEAN
MAX	---	---	0	18.6	7.98	0.188	0.250	0.355	0.034	0	---	---	MAX
MIN	---	---	0	0	0.174	0.001	0.010	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.735
MAXIMUM DAILY, 18.6 ON APR 25
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
20.6 AT 23:50 CST ON APR 24

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 39 48 N
LONG 102 25 41 W
DRAINAGE AREA, 582 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	177
FEB	---	AUG	295
MAR	0	SEP	8.67
APR	9 180	OCT	0
MAY	5 746	NOV	---
JUN	171	DEC	---

TOTAL DISCHARGE, 15 800 dam³

CROOKED LAKE NEAR GRAYSON - STATION NO. 05JM005

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	451.175	451.144	451.115	451.134	452.270E	451.783	451.743	451.978	451.815	451.300E	451.120	450.970	1
2	451.172	451.140	451.122	451.131	452.190E	451.780	451.752	451.990	451.809	451.300E	451.107	450.958	2
3	451.172	451.136	451.129	451.128	452.080A	451.763	451.780	451.930	451.994	451.280E	451.110	450.954	3
4	451.171	451.136	451.130	451.126	452.025	451.743	451.757	451.881	451.984	451.280E	451.112	450.957	4
5	451.168	451.133	451.132	451.125	451.994	451.736	451.788	451.843	451.885	451.281E	451.103	450.949	5
6	451.164	451.133	451.143	451.122	451.910	451.732	451.784	451.811	451.877	451.284E	451.094	450.943	6
7	451.160	451.135	451.158	451.121	451.880	451.726	451.787	451.788	451.849	451.261E	451.094	450.943	7
8	451.161	451.135	451.166	451.120	451.839	451.719	451.783	451.784	451.828	451.258E	451.078	450.940	8
9	451.155	451.136	451.167	451.126	451.823	451.713	451.777	451.748	451.819	451.260E	451.072	450.938	9
10	451. 51	451.143	451.167	451.128	451.787	451.711	451.785	451.734	451.814	451.263E	451.087	450.939	10
11	451.149	451.142	451.168	451.140	451.757	451.702	451.789	451.721	451.483	451.268A	451.058	450.944	11
12	451.153	451.139	451.167	451.182	451.733	451.697	451.801	451.710	451.488	451.285	451.088	450.942	12
13	451.150	451.137	451.163	451.195	451.734	451.689	451.820	451.701	451.474	451.272	451.058	450.941	13
14	451.148	451.129	451.159	451.181	451.713	451.704	451.840	451.690	451.457	451.278	451.048	450.941	14
15	451.144	451.121	451.156	451.204	451.697	451.719	451.864	451.685	451.448	451.282	451.041	450.940	15
16	451.144	451.116	451.155	451.227	451.689	451.731	451.877	451.678	451.427	451.285	451.037	450.937	16
17	451.143	451.111	451.152	451.258	451.715	451.742	451.887	451.674	451.458A	451.278	451.037	450.938	17
18	451.151	451.111	451.150	451.294	451.736	451.745	451.889	451.671	451.452E	451.262	451.034	450.939	18
19	451.150	451.111	451.147	451.338	451.749	451.753	451.891	451.680	451.424E	451.249	451.028	450.939	19
20	451.151	451.110	451.147	451.410	451.761	451.763	451.892	451.951	451.418E	451.235	451.028	450.941	20
21	451.150	451.110	451.144	451.525	451.774	451.745	451.918	451.854	451.402E	451.226	451.024	450.942	21
22	451.159	451.111	451.144	451.730A	451.778	451.745	451.913	451.851	451.388E	451.212	451.021	450.945	22
23	451.156	451.110	451.152	451.950E	451.784	451.761	451.914	451.848	451.378E	451.198	451.018	450.947	23
24	451.152	451.106	451.155	452.140E	451.769	451.741	451.938	451.845	451.388E	451.188	451.000	450.948	24
25	451.147	451.107	451.152	452.310A	451.787	451.785	451.989	451.843	451.384E	451.173	450.991	450.953	25
26	451.147	451.112	451.148	452.375E	451.781	451.787	452.006	451.838	451.380E	451.181	450.985	450.953	26
27	451.154	451.114	451.142	452.430E	451.786	451.748	452.040	451.833	451.340E	451.155	450.978	450.957	27
28	451.155	451.110	451.135	452.453A	451.780	451.745	452.066	451.827	451.332E	451.145	450.973	450.959	28
29	451.152		451.136	452.440E	451.771	451.747	452.071	451.826	451.322E	451.135	450.972	450.971	29
30	451.147		451.136	452.380E	451.774	451.767	452.049	451.823	451.314E	451.129	450.971	450.974	30
31	451.144		451.136		451.770		452.014	451.821		451.125		450.978	31
MEAN	451.155	451.125	451.148	451.513	451.827	451.735	451.874	451.718	451.480	451.235	451.044	450.951	MEAN
MAX	451.175	451.144	451.168	452.453	452.270	451.789	452.071	451.979	451.815	451.300	451.120	450.978	MAX
MIN	451.143	451.107	451.115	451.120	451.689	451.689	451.743	451.821	451.314	451.125	450.971	450.938	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MEAN, 451.401
MAXIMUM DAILY, 452.453A ON APR 26
MINIMUM DAILY, 450.938 ON DEC 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 35 33 N
LONG 102 40 42 W

A - MANUAL GAUGE
E - ESTIMATED

REGULATED SINCE 1944

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

CRYSTAL CREEK NEAR IPPLEY - STATION NO. 05EC004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.1308	0.1748	0.643	0.267	0.587	0.135	0.050	0.145	---	---	1
2	---	---	0.1308	0.2108	0.634	0.271	0.782	0.140	0.063	0.150	---	---	2
3	---	---	0.1308	0.2708	0.617	0.281	0.928	0.132	0.075	0.148	---	---	3
4	---	---	0.1308	0.3408	0.600	0.283	0.954	0.125	0.090	0.148	---	---	4
5	---	---	0.1308	0.5008	0.587	0.302	0.903	0.112	0.114	0.144	---	---	5
6	---	---	0.1308	1.07 E	0.742	0.356	0.801	0.087	0.138	0.122	---	---	6
7	---	---	0.1308	1.30 E	0.804	0.407	0.692	0.071	0.163	0.135	---	---	7
8	---	---	0.1308	1.25 E	0.497	0.477	0.603	0.036	0.163	0.164	---	---	8
9	---	---	0.1308	1.10 E	0.403	0.376	0.490	0.035	0.228	0.151	---	---	9
10	---	---	0.1308	0.9808	0.345	0.389	0.414	0.044	0.241	0.142	---	---	10
11	---	---	0.1308	0.8308	0.280	0.343	0.359	0.051	0.388	0.120	---	---	11
12	---	---	0.1308	0.7308	0.249	0.307	0.339	0.066	0.388	0.126	---	---	12
13	---	---	0.1308	0.6908	0.233	0.321	0.318	0.100	0.338	0.131	---	---	13
14	---	---	0.1308	0.6408	0.226	0.301	0.302	0.091	0.288	0.144	---	---	14
15	---	---	0.1308	0.6858	0.236	0.352	0.286	0.059	0.243	0.132	---	---	15
16	---	---	0.1308	0.8778	0.228	0.338	0.263	0.034	0.235	0.125	---	---	16
17	---	---	0.1308	0.7898	0.202	0.283	0.253	0.043	0.247	0.142	---	---	17
18	---	---	0.1308	0.671	0.222	0.285	0.239	0.111	0.306	0.148	---	---	18
19	---	---	0.1308	1.21	0.267	0.298	0.251	0.124	0.333	0.146	---	---	19
20	---	---	0.1308	2.35	0.237	0.288	0.256	0.097	0.305	0.145	---	---	20
21	---	---	0.1308	3.20	0.284	0.362	0.226	0.084	0.280	0.147	---	---	21
22	---	---	0.1308	2.85	0.285	0.287	0.222	0.007	0.240	0.144	---	---	22
23	---	---	0.1308	2.22	0.272	0.306	0.273	0.001	0.188	0.129	---	---	23
24	---	---	0.1308	1.72	0.295	0.383	0.258	0.001	0.139	0.110	---	---	24
25	---	---	0.1308	1.44	0.301	0.687	0.217	0.047	0.148	0.112	---	---	25
26	---	---	0.1308	1.25	0.288	0.771	0.219	0.080	0.148	0.118	---	---	26
27	---	---	0.1308	1.06	0.289	0.783	0.181	0.088	0.138	0.113	---	---	27
28	---	---	0.1338	0.880	0.272	0.670	0.139	0.078	0.143	0.088	---	---	28
29	---		0.1358	0.621	0.264	0.578	0.138	0.070	0.155	0.118	---	---	29
30	---		0.1428	0.705	0.244	0.511	0.137	0.089	0.151	0.125	---	---	30
31	---		0.1548		0.245		0.137	0.067		0.138A		---	31
TOTAL	---	---	4.073	32.681	11.002	11.986	12.134	2.252	5.210	4.153	---	---	TOTAL
MEAN	---	---	0.131	1.10	0.355	0.400	0.391	0.073	0.207	0.134	---	---	MEAN
MAX	---	---	0.154	3.20	0.742	0.771	0.954	0.140	0.388	0.164	---	---	MAX
MIN	---	---	0.130	0.174	0.202	0.267	0.137	0.001	0.080	0.088	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.348
MAXIMUM DAILY, 3.20 ON APR 21
MINIMUM DAILY, 0.001 ON AUG 23
MAXIMUM INSTANTANEOUS,
3.33 AT 13:15 CST ON APR 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 58 47 N
LONG 100 09 23 W
DRAINAGE AREA, 902 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 080
FEB	---	AUG	195
MAR	392	SEP	537
APR	2 940	OCT	359
MAY	951	NOV	---
JUN	1 040	DEC	---

TOTAL DISCHARGE, 7 330 dam³

CUMBERLAND LAKE NEAR CUMBERLAND HOUSE - STATION NO. 05KH002

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	285.881	285.942	286.042	285.703	286.020	285.487	285.292	285.430	284.888	285.031	285.108	284.844	1
2	285.901	285.939	286.046	285.734	286.020	285.630	285.289	285.396	284.883	285.077	285.097	284.904	2
3	285.924	285.949	286.049	285.700	286.024	285.587	285.338	285.384	284.788	285.058	284.997	284.844	3
4	285.928	285.958	286.052	285.634	286.010	285.486	285.374	285.415	284.909	285.041	285.142	284.995	4
5	285.936	285.981	286.056	285.609	285.994	285.434	285.324	285.432	284.916	285.158	285.088	285.156	5
6	285.936	285.974	286.061	285.612	285.978	285.371	285.384	285.483	284.983	285.123	285.186	285.282	6
7	285.930	285.952	286.064	285.634	285.950	285.384	285.480	285.509	284.820	285.106	285.312	285.347	7
8	285.941	285.984	286.051	285.683	285.929	285.430	285.483	285.451	284.828	285.056	285.204	285.384	8
9	285.908	285.978	286.038	285.734	285.923	285.438	285.514	285.386	284.890	284.987	285.185	285.437	9
10	285.898	285.982	286.033	285.712	285.982	285.475	285.556	285.397	285.042	285.140	285.184	285.456	10
11	285.928	285.975	286.031	285.729	285.633	285.482	285.567	285.337	284.888	285.148	285.005	285.484	11
12	285.957	285.976	286.008	285.677	285.678	285.501	285.552	285.301	284.856	285.123	284.891	285.523	12
13	285.986	285.949	286.044	285.683	285.690	285.425	285.581	285.266	284.886	285.141	285.028	285.557	13
14	286.018	285.922	285.995	285.701	285.656	285.465	285.574	285.212	284.935	285.233	285.044	285.585	14
15	286.048	285.918	285.982	285.719	285.636	285.483	285.623	285.145	284.987	285.207	285.088	285.591	15
16	286.080	285.941	285.987	285.721	285.787	285.482	285.685	285.054	284.938	285.191	285.108	285.614	16
17	286.095	285.978	285.968	285.808	285.804	285.470	285.655	285.027	284.889	285.174	285.188	285.643	17
18	286.119	286.008	285.959	285.856	285.803	285.484	285.705	285.008	285.097	285.156	285.255	285.668	18
19	286.108	286.013	285.950	285.800	285.780	285.434	285.726	284.939	285.137	285.093	285.288	285.728	19
20	286.068	286.002	285.918	285.803	285.735	285.393	285.740	284.833	285.142	285.080	285.249	285.783	20
21	286.030	285.938	285.780	285.848	285.800	285.388	285.738	284.882	285.122	285.102	285.189	285.781	21
22	285.998	285.907	285.780	285.722	285.751	285.448	285.780	284.831	284.978	285.081	285.114	285.787	22
23	285.980	285.911	285.782	285.821	285.735	285.418	285.751	284.895	284.928	285.113	285.140	285.778E	23
24	285.956	285.942	285.771	285.828	285.651	285.376	285.740	284.824	285.037	285.082	285.113	285.780A	24
25	285.958	285.957	285.738	286.102	285.592	285.393	285.716	284.782	285.010	285.085	285.150	285.814	25
26	285.985	285.980	285.687	286.048	285.648	285.392	285.727	284.785	285.008	285.115	285.128	285.780	26
27	286.004	286.007	285.640	286.038	285.689	285.272	285.672	284.802	285.087	285.137	285.082	285.772	27
28	286.013	286.030	285.614	286.026	285.659	285.255	285.676	284.823	285.084	285.081	285.085	285.775	28
29	286.016		285.613	286.029	285.587	285.285	285.633	284.851	284.971	285.083	284.928	285.820	29
30	286.003		285.613	286.037	285.548	285.274	285.590	284.828	285.016	285.052	284.848	285.884	30
31	285.986		285.640		285.500		285.508	284.788		285.083		285.907	31
MEAN	285.984	285.983	285.876	285.784	285.812	285.422	285.676	285.100	284.982	285.106	285.110	285.838	MEAN
MAX	286.119	286.030	286.064	286.102	286.039	285.587	285.780	285.509	285.142	285.233	285.312	285.907	MAX
MIN	285.881	285.907	285.613	285.600	285.500	285.255	285.292	284.824	284.788	284.987	284.848	284.844	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MEAN, 285.818
MAXIMUM DAILY, 286.119 ON JAN 18
MINIMUM DAILY, 284.824 ON AUG 24
MAXIMUM INSTANTANEOUS,
286.210 AT 00:42 CST ON APR 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 57 30 N
LONG 102 17 46 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO PROVINCE OF SASKATCHEWAN DATUM

REMARKS - THE MAXIMUM INSTANTANEOUS WATER LEVEL OCCURRED BECAUSE OF ICE JAMS IN BIGSTONE RIVER

CUTARM CREEK NEAR SPY HILL - STATION NO. 05JM015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0208	1.09	0.028	0.083	0.062	0.008	0.229	0.003A	---	1
2	---	---	0 B	0.0208	0.928	0.024	0.136	0.070	0.008	0.216	---	---	2
3	---	---	0 B	0.0208	0.807	0.048	0.227	0.054	0.008	0.192	---	---	3
4	---	---	0 B	0.0208	0.884	0.086	0.277	0.078	0.008	0.173	---	---	4
5	---	---	0 B	0.0208	0.902	0.074	0.293	0.083	0.008	0.178	---	---	5
6	---	---	0.0018	0.0208	0.347	0.035	0.138	0.067	0.008	0.188	---	---	6
7	---	---	0.0018	0.0508	0.274	0.034	0.080	0.069	0.010	0.213	---	---	7
8	---	---	0.0018	0.3008	0.238	0.049	0.059	0.084	0.010	0.220	---	---	8
9	---	---	0.0028	0.4408	0.266	0.053	0.111	0.052	0.010	0.185	---	---	9
10	---	---	0.0038	0.5008	0.272	0.044	0.216	0.041	0.010	0.180	---	---	10
11	---	---	0.0048	0.3008	0.252	0.045	0.856	0.035	0.011	0.182	---	---	11
12	---	---	0.0068	0.2508	0.316	0.037	0.553	0.033	0.012	0.126	---	---	12
13	---	---	0.0108	0.2008	0.491	0.023	0.322	0.031	0.012	0.089	---	---	13
14	---	---	0.0148	0.1008	0.627	0.050	0.172	0.033	0.012	0.083	---	---	14
15	---	---	0.0188	0.3008	0.534	0.038	0.180	0.019	0.012	0.072	---	---	15
16	---	---	0.0188	0.3508	0.571	0.041	0.149	0.014	0.012	0.068	---	---	16
17	---	---	0.0188	0.3508	0.661	0.026	0.197	0.014	0.013	0.063	---	---	17
18	---	---	0.0208	0.5008	0.662	0.023	0.130	0.013	0.015	0.070	---	---	18
19	---	---	0.0208	3.35 B	0.734	0.030	0.080	0.012	0.217	0.057	---	---	19
20	---	---	0.0208	5.05 B	0.811	0.034	0.068	0.013	0.305	0.042	---	---	20
21	---	---	0.0208	4.84 B	0.784	0.025	0.072	0.014	0.287	0.028	---	---	21
22	---	---	0.0208	7.75	0.811	0.033	0.080	0.010	0.289	0.017	---	---	22
23	---	---	0.0208	8.80	0.580	0.080	0.067	0.010	0.256	0.009	---	---	23
24	---	---	0.0208	7.38	0.522	0.051	0.045	0.008	0.233	0.004	---	---	24
25	---	---	0.0208	5.16	0.436	0.052	0.042	0.008	0.202	0.004	---	---	25
26	---	---	0.0208	3.87	0.306	0.087	0.023	0.008	0.202	0.008	---	---	26
27	---	---	0.0208	2.61	0.376	0.083	0.014	0.008	0.225	0.028	---	---	27
28	---	---	0.0208	1.82	0.289	0.041	0.039	0.008	0.245	0.008	---	---	28
29	---		0.0208	1.55	0.278	0.034	0.043	0.008	0.232	0.004	---	---	29
30	---		0.0208	1.28	0.105	0.053	0.039	0.008	0.247	0.005	---	---	30
31	---		0.0208		0.033		0.083	0.008		0.004		---	31
TOTAL	---	---	0.376	88.230	15.823	1.362	4.584	0.973	3.086	2.910	---	---	TOTAL
MEAN	---	---	0.012	1.87	0.504	0.045	0.147	0.031	0.103	0.084	---	---	MEAN
MAX	---	---	0.020	8.80	1.09	0.087	0.856	0.083	0.305	0.229	---	---	MAX
MIN	---	---	0	0.020	0.033	0.023	0.014	0.008	0.008	0.004	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.347
MAXIMUM DAILY, 8.80 ON APR 23
MINIMUM DAILY, 0.00 ON MAR 1
MAXIMUM INSTANTANEOUS,
8.86 AT 10:30 CST ON APR 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 35 27 N
LONG 101 44 34 W
DRAINAGE AREA, 725 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1967

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	384
FEB	---	AUG	84.1
MAR	22.4	SEP	257
APR 4	880	OCT	251
MAY 1	364	NOV	---
JUN	116	DEC	---

TOTAL DISCHARGE, 7 380 dam³

CUTKNIFE CREEK NEAR CUTKNIFE - STATION NO. 06FF003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0048	0.0128	0.121	0.004	2.20	0.004	0.003	0.002	---	---	1
2	---	---	0.0048	0.0348	0.107	0.004	1.27	0.003	0.003	0.002	---	---	2
3	---	---	0.0048	0.0548	0.082	0.004	1.06	0.003	0.003	0.002	---	---	3
4	---	---	0.0048	1.34 B	0.069	0.003	0.899	0.003	0.003	0.002	---	---	4
5	---	---	0.0048	2.85 B	0.060	0.003	0.738	0.003	0.003	0.002	---	---	5
6	---	---	0.0048	7.12 B	0.050	0.003	0.590	0.003	0.003	0.002	---	---	6
7	---	---	0.0048	12.2 B	0.048	0.003	0.381	0.003	0.002	0.002	---	---	7
8	---	---	0.0048	11.7 B	0.042	0.003	0.273	0.003	0.002	0.002	---	---	8
9	---	---	0.0048	8.90 B	0.033	0.003	0.195	0.003	0.004	0.002	---	---	9
10	---	---	0.0048	4.10 B	0.026	0.003	0.090	0.002	0.003	0.002	---	---	10
11	---	---	0.0048	2.30 E	0.025	0.003	0.061	0.002	0.002	0.002	---	---	11
12	---	---	0.0048	1.00 E	0.022	0.003	0.027	0.003	0.002	0.002	---	---	12
13	---	---	0.0048	0.800E	0.019	0.003	0.015	0.002	0.002	0.002	---	---	13
14	---	---	0.0048	2.00 E	0.017	0.002	0.033	0.002	0.002	0.002	---	---	14
15	---	---	0.0048	2.70 E	0.015	0.002	0.025	0.003	0.002	0.002	---	---	15
16	---	---	0.0048	1.20 E	0.014	0.002	0.018	0.003	0.002	0.002	---	---	16
17	---	---	0.0048	0.700E	0.012	0.002	0.018	0.003	0.003	0.002	---	---	17
18	---	---	0.0048	0.350E	0.010	0.002	0.013	0.004	0.002	0.002	---	---	18
19	---	---	0.0048	0.370	0.009	0.003	0.010	0.003	0.002	0.002	---	---	19
20	---	---	0.0048	0.338	0.008	0.003	0.009	0.003	0.002	0.002	---	---	20
21	---	---	0.0048	0.318	0.008	0.002	0.009	0.003	0.002	0.002	---	---	21
22	---	---	0.0048	0.273	0.007	0.003	0.008	0.003	0.002	0.002	---	---	22
23	---	---	0.0048	0.216	0.007	0.002	0.007	0.003	0.002	0.002	---	---	23
24	---	---	0.0048	0.204	0.006	0.004	0.007	0.003	0.002	0.002	---	---	24
25	---	---	0.0048	0.178	0.006	0.003	0.006	0.003	0.002	0.002	---	---	25
26	---	---	0.0048	0.208	0.006	0.003	0.006	0.003	0.002	0.002	---	---	26
27	---	---	0.0048	0.194	0.005	0.002	0.005	0.003	0.002	0.002	---	---	27
28	---	---	0.0048	0.188	0.006	0.003	0.005	0.003	0.002	0.002	---	---	28
29	---		0.0048	0.132	0.005	0.003	0.005	0.003	0.002	0.002	---	---	29
30	---		0.0048	0.130	0.004	0.003	0.004	0.003	0.002	0.002	---	---	30
31	---		0.0048		0.004		0.004	0.002		0.002A		---	31
TOTAL	---	---	0.126	59.991	0.842	0.087	7.917	0.090	0.069	0.062	---	---	TOTAL
MEAN	---	---	0.004	2.00	0.027	0.003	0.255	0.003	0.002	0.002	---	---	MEAN
MAX	---	---	0.004	12.2	0.121	0.004	2.20	0.004	0.005	0.002	---	---	MAX
MIN	---	---	0.004	0.012	0.004	0.002	0.004	0.002	0.002	0.002	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.282
MAXIMUM DAILY, 12.28 ON APR 7
MINIMUM DAILY, 0.003 ON JUN 14
MAXIMUM INSTANTANEOUS,
14.08 AT 06:23 CST ON APR 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 45 10 N
LONG 108 46 52 W
DRAINAGE AREA, 404 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	684
FEB	---	AUG	7.78
MAR	10.7	SEP	5.95
APR & MAY	72.7	OCT	5.38
JUN	7.52	NOV	---
		DEC	---

TOTAL DISCHARGE, 5 870 dam³

CYPRESS LAKE - STATION NO. 11AC027

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	972.181	972.303	972.388	972.511	972.384	972.443	972.307	972.206	---	---	1
2	---	---	972.158	972.306A	972.377	972.501	972.385	972.443	972.301	972.204	---	---	2
3	---	---	972.143	972.314E	972.374	972.482	972.386	972.443	972.314	972.200	---	---	3
4	---	---	972.134	972.322A	972.368	972.471	972.378	972.438	972.389	972.216	---	---	4
5	---	---	972.122	972.327	972.335	972.456	972.374	972.417	972.328	972.198	---	---	5
6	---	---	972.117	972.332	972.316	972.456	972.388	972.431	972.274	972.188	---	---	6
7	---	---	972.120	972.336	972.343	972.483	972.366	972.408	972.273	972.186	---	---	7
8	---	---	972.110	972.336	972.337	972.437	972.353	972.385	972.234	972.178	---	---	8
9	---	---	972.126	972.343	972.344	972.446	972.393	972.403	972.304	972.181	---	---	9
10	---	---	972.139	972.359	972.397	972.446	972.397	972.391	972.293	972.215	---	---	10
11	---	---	972.185	972.363	972.356	972.445	972.443	972.397	972.281	972.188	---	---	11
12	---	---	972.315	972.386	972.362	972.443	972.472	972.450	972.236	972.180	---	---	12
13	---	---	972.385	972.385	972.376	972.470	972.483	972.389	972.218	972.189	---	---	13
14	---	---	972.246	972.367	972.371	972.439	972.488	972.403	972.236	972.183	---	---	14
15	---	---	972.244	972.368	972.380	972.406	972.486	972.381	972.239	972.179	---	---	15
16	---	---	972.241	972.388	972.431	972.407	972.478	972.387	972.248	972.172	---	---	16
17	---	---	972.245	972.388	972.458	972.401	972.435	972.373	972.260	972.165	---	---	17
18	---	---	972.246A	972.385	972.491	972.450	972.430	972.361	972.267	972.162	---	---	18
19	---	---	972.249E	972.387	972.528	972.450	972.426	972.340	972.267	972.169	---	---	19
20	---	---	972.249E	972.371	972.504	972.436	972.485	972.349	972.336	972.171	---	---	20
21	---	---	972.251E	972.358	972.486	972.383	972.517	972.339	972.311	972.158	---	---	21
22	---	972.058A	972.253E	972.363	972.574	972.378	972.474	972.333	972.295	972.178	---	---	22
23	---	972.083	972.256E	972.372	972.588	972.390	972.488	972.326	972.311	972.160	---	---	23
24	---	972.081	972.257E	972.386	972.582	972.370	972.486	972.348	972.313	972.178	---	---	24
25	---	972.086	972.280E	972.433	972.586	972.402	972.483	972.336	972.308	972.177	---	---	25
26	---	972.105	972.262E	972.416	972.580	972.343	972.504	972.336	972.295	972.172	---	---	26
27	---	972.124	972.265E	972.396	972.535	972.298	972.481	972.320	972.311	972.163	---	---	27
28	---	972.144	972.269E	972.387	972.530	972.330	972.486	972.316	972.303	972.163	---	---	28
29	---		972.272E	972.382	972.527	972.364	972.489	972.313	972.194	972.185	---	---	29
30	---		972.277A	972.382	972.504	972.373	972.486	972.306	972.181	972.186	---	---	30
31	---		972.283		972.507		972.462	972.310		972.163		---	31
MEAN	---	---	972.217	972.380	972.448	972.420	972.436	972.376	972.280	972.178	---	---	MEAN
MAX	---	---	972.310	972.423	972.586	972.511	972.517	972.480	972.381	972.216	---	---	MAX
MIN	---	---	972.117	972.303	972.316	972.298	972.363	972.306	972.181	972.163	---	---	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MAXIMUM DAILY, 972.586 ON MAY 21

MAXIMUM INSTANTANEOUS,
972.621 AT 10:16 CST ON MAY 21

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - THE MAXIMUM INSTANTANEOUS WATER LEVEL OCCURRED AS A RESULT OF WIND EFFECT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 39 51 N
LONG 109 23 44 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1939

CYPRESS LAKE EAST OUTFLOW CANAL - STATION NO 11ACO80

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.1140	0.0188	0.078	0.042	0.126	0.121	0	0.030	0.040A	---	1
2	---	---	0.2078	0.0259	0.212	0.043	0.138	0.051	0	0.028	---	---	2
3	---	---	0.5088	0.0208	0.258	0.048	0.109	0.048	0	0.025	---	---	3
4	---	---	0.3550	0.0048	0.289	0.049	0.153	0.028	0.001	0.044	---	---	4
5	---	---	0.2578	0 0	0.243	0.048	0.281	0.017	0	0.031	---	---	5
6	---	---	0.2288	0.0028	0.278	0.048	0.280	0.005	0	0.030	---	---	6
7	---	---	0.0858	0.0108	0.188	0.048	0.170	0	0	0.026	---	---	7
8	---	---	0.0448	0.1188	0.184	0.043	0.041	0	0.002	0.027	---	---	8
9	---	---	0.0208	0.3858	0.180	0.041	0.028	0.004	0.003	0.028	---	---	9
10	---	---	0.0268	0.4758	1.08	0.047	0.217	0	0.002	0.030	---	---	10
11	---	---	0.0888	0.1868	0.417	0.058	1.11	0	0.002	0.024	---	---	11
12	---	---	0.0188	0.0248	0.173	0.072	0.672	0	0.003	0.020	---	---	12
13	---	---	0 0	0.0388	0.138	0.054	0.368	0	0.007	0.015	---	---	13
14	---	---	0 0	0.0288	0.128	0.068	0.148	0	0.009	0.018	---	---	14
15	---	---	0 0	0.0288	0.118	0.230	0.078	0	0.009	0.019	---	---	15
16	---	---	0 0	0.030	0.214	0.052	0.028	0	0.010	0.022	---	---	16
17	---	---	0 0	0.032	0.288	0.058	0.187	0	0.010	0.030	---	---	17
18	---	---	0 0	0.034	0.278	0.052	0.088	0	0.011	0.037	---	---	18
19	---	---	0 0	0.036	0.262	0.052	0.088	0	0.010	0.050	---	---	19
20	---	---	0 0	0.040	0.303	0.064	0.221	0	0.010	0.057	---	---	20
21	---	---	0 0	0.041	0.188	0.080	0.270	0	0.015	0.055	---	---	21
22	---	0.0458	0 0	0.042	0.112	0.085	0.295	0	0.015	0.054	---	---	22
23	---	0.0498	0 0	0.043	0.078	0.073	0.262	0	0.015	0.053	---	---	23
24	---	0.0418	0 0	0.043	0.104	0.084	0.139	0	0.011	0.053	---	---	24
25	---	0.0478	0 0	0.044	0.078	0.083	0.077	0	0.011	0.056	---	---	25
26	---	0.1088	0 0	0.021	0.057	0.108	0.150	0	0.011	0.047	---	---	26
27	---	0.1858	0 0	0.017	0.046	0.070	0.119	0	0.014	0.035	---	---	27
28	---	0.1818	0 0	0.018	0.038	0.065	0.074	0	0.018	0.028	---	---	28
29	---	---	0.0018	0 0.7	0.043	0.084	0.038	0 0.002	0.017	0.030	---	---	29
30	---	---	0.0188	0.018	0.043	0.185	0.013	0	0.022	0.039	---	---	30
31	---	---	0.0288		0.043		0.010	0		0.040		---	31
TOTAL	---	---	3.883	1.883	5.933	2.118	5.788	0.384	0.251	1.112	---	---	TOTAL
MEAN	---	---	0.067	0.083	0.191	0.071	0.188	0.009	0.008	0.036	---	---	MEAN
MAX	---	---	0.508	0.478	1.08	0.220	1.11	0.121	0.022	0.084	---	---	MAX
MIN	---	---	0	0	0.043	0.041	0.010	0	0	0.015	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.070
MAXIMUM DAILY, 1.11 ON JUL 11
MINIMUM DAILY, 00 ON MAR 13

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 28 10 N
LONG 100 31 10 W

A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1980

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	487
FEB	---	AUG	24.5
MAR	180	SEP	21.7
APR	180	OCT	98.1
MAY	513	NOV	---
JUN	183	DEC	---

TOTAL DISCHARGE, 1 680 dam³

CYPRESS LAKE WEST INFLOW CANAL - STATION NO 11AB070

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 0	0.005	0.001	0.766	0.002	0	0	0	---	---	1
2	---	---	0.1508	0.003	0.002	0.004	0.005	0	0	0	---	---	2
3	---	---	0.3098	0.002	0.001	0.002	0.002	0	0	0	---	---	3
4	---	---	0.3738	0	0.001	0.002	0.118	0	0	0	---	---	4
5	---	---	0.4838	0	0.001	0.001	0.735	0	0	0	---	---	5
6	---	---	0.3808	0	0.001	0.001	0.722	0	0	0	---	---	6
7	---	---	0.4118	0	0.001	0.001	0.684	0	0	0	---	---	7
8	---	---	0.3278	0	0.002	0.002	0.334	0	0	0	---	---	8
9	---	---	0.3888	0	0.003	0.001	0.027	0	0	0	---	---	9
10	---	---	0.3148	0	0.300	0	0.112	0	0	0	---	---	10
11	---	---	1.32 0	0.002	1.01 0	0	0.075	0	0	0	---	---	11
12	---	---	0.7838	0	0.7038	0	0.700	0	0	0	---	---	12
13	---	---	1.58 0	0	1.73 0	0	0.016	0	0	0	---	---	13
14	---	---	1.75 0	0	1.61	0	0.518	0	0	0	---	---	14
15	---	---	1.22 0	0.001	3.03	0	0.037	0	0	0	---	---	15
16	---	---	0.5088	0.001	3.03	0	0.063	0	0	0	---	---	16
17	---	---	0.4388	0.001	3.01	0	0.583	0	0	0	---	---	17
18	---	---	0.5478	0.000	4.03	0	0.010	0	0	0	---	---	18
19	---	---	0.6158	1.01	4.78	0	0.021	0	0	0	---	---	19
20	---	---	0.4088	1.12	4.44	0	0.038	0	0	0	---	---	20
21	---	---	0.4078	0.721	3.75	0	0.778	0	0	0	---	---	21
22	---	00	0.4838	0.702	3.36	0	1.25	0	0	0	---	---	22
23	---	00	0.4018	0.857	3.23	0	1.45	0	0	0	---	---	23
24	---	00	0.3408	0.702	3.11	0	1.36	0	0	0	---	---	24
25	---	00	0.0288	0.716	2.85	0	0.784	0	0	0	---	---	25
26	---	00	0.007	0.000	1.85	0	0.338	0	0	0	---	---	26
27	---	00	0.048	0.228	1.77	0	0.012	0	0	0	---	---	27
28	---	00	0.005	0.228	1.58	0	0	0	0	0	---	---	28
29	---		0.005	0.005	1.52	0 001	0	0	0	0	---	---	29
30	---		0.025	0.003	1.47	0 004	0	0	0	0	---	---	30
31	---		0 030		1 43		0	0		0		---	31
TOTAL	---	---	14 012	7 311	80 577	0 763	14 884	0	0	0	---	---	TOTAL
MEAN	---	---	0 453	0 244	1 04	0 025	0 673	0	0	0	---	---	MEAN
MAX	---	---	1 75	1 61	4 82	0 764	1 45	0	0	0	---	---	MAX
MIN	---	---	0	0	0 001	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.366
MAXIMUM DAILY, 4.82 ON MAY 19
MINIMUM DAILY, 00 ON MAR 1

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 28 10 N
LONG 100 37 03 W

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 270
FEB	---	AUG	0
MAR	1 310	SEP	0
APR	632	OCT	0
MAY	4 400	NOV	---
JUN	85.8	DEC	---

TOTAL DISCHARGE, 7 840 dam³

CYPRESS LAKE WEST INFLOW CANAL DRAIN - STATION NO. 11AB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0458	0.001	0	0.001	0.003	0.001	0	0	---	---	1
2	---	---	0.0548	0.001	0	0.001	0.003	0.001	0	0	---	---	2
3	---	---	0.0378	0.001	0	0.001	0.003	0	0	0	---	---	3
4	---	---	0.0338	0.001	0	0.001	0.003	0	0	0	---	---	4
5	---	---	0.0278	0.001	0	0.001	0.005	0	0	0	---	---	5
6	---	---	0.0328	0.001	0	0.001	0.005	0	0	0	---	---	6
7	---	---	0.0328	0.001	0	0.001	0.005	0	0	0	---	---	7
8	---	---	0.0338	0.001	0	0.001	0.004	0	0	0	---	---	8
9	---	---	0.0338	0.001	0	0.001	0.003	0	0	0	---	---	9
10	---	---	0.0488	0.001	0.0058	0.001	0.004	0	0	0	---	---	10
11	---	---	0.0438	0.001	0.0158	0.001	0.003	0	0	0	---	---	11
12	---	---	0.0408	0.001A	0.0208	0.001	0.003	0	0	0	---	---	12
13	---	---	0.0228	0.001E	0.0158	0.001	0.003	0	0	0	---	---	13
14	---	---	0.0268	0.001E	0.002	0.001	0.003	0	0	0	---	---	14
15	---	---	0.0138	0.001E	0.002	0.001	0.002	0	0	0	---	---	15
16	---	---	0.0148	0.001E	0.003	0.001	0.002	0	0	0	---	---	16
17	---	---	0.0088	0.001E	0.003	0.001	0.002	0	0	0	---	---	17
18	---	---	0.0088	0 E	0.003	0.001	0.002	0	0	0	---	---	18
19	---	---	0.0038	0 E	0.003	0.001	0.002	0	0	0	---	---	19
20	---	---	0 B	0 E	0.118	0.001	0.004	0	0	0	---	---	20
21	---	---	0 B	0 E	0.372	0.001	0.001	0	0	0	---	---	21
22	---	0 B	0 B	0	0.187	0.001	0.001	0	0	0	---	---	22
23	---	0 B	0.0018	0	0.005	0.001	0.001	0	0	0	---	---	23
24	---	0.0018	0.0018	0	0.004	0.001	0.001	0	0	0	---	---	24
25	---	0.0058	0.0018	0	0.003	0.001	0.001	0	0	0	---	---	25
26	---	0.0108	0.0018	0	0.003	0.301	0.001	0	0	0	---	---	26
27	---	0.0258	0.0018	0	0.002	0.001	0.001	0	0	0	---	---	27
28	---	0.0358	0.0018	0	0.002	0.001	0.001	0	0	0	---	---	28
29	---		0.001	0	0.001	0.001	0.001	0	0	0	---	---	29
30	---		0.001	0	0.001	0.002	0.001	0	0	0	---	---	30
31	---		0.001		0.001		0.001	0		0		---	31
TOTAL	---	---	0.582	0.017	0.749	0.031	0.075	0.002	0	0	---	---	TOTAL
MEAN	---	---	0.018	0.001	0.024	0.001	0.002	0	0	0	---	---	MEAN
MAX	---	---	0.054	0.001	0.372	0.002	0.005	0.001	0	0	---	---	MAX
MIN	---	---	0	0	0	0.001	0.001	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.006
MAXIMUM DAILY, 0.372 ON MAY 21
MINIMUM DAILY, 0 ON MAR 30

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 38 25 N
LONG 100 36 38 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	6.49
FEB	---	AUG	0.17
MAR	48.6	SEP	0
APR	1.47	OCT	0
MAY	63.9	NOV	---
JUN	2.68	DEC	---

TOTAL DISCHARGE, 123 dam³

CYPRESS LAKE WEST OUTFLOW CANAL - STATION NO. 11AB077

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0018	0.0018	0.197	2.15	0.197	0	0	0	---	---	1
2	---	---	0.0018	0 B	0.844	2.24	0.274	0	0	0	---	---	2
3	---	---	0.0018	0 B	1.37	2.22	0.280	0	0	0	---	---	3
4	---	---	0.0018	0 B	1.35	2.12	0.273	0	0	0	---	---	4
5	---	---	0.0018	0 B	1.30	1.98	0.285	0	0	0	---	---	5
6	---	---	0.0018	0 B	1.14	1.81	0.298	0	0	0	---	---	6
7	---	---	0.0018	0.0018	1.09	0.842	0.081	0	0	0	---	---	7
8	---	---	0.0018	0.0018	1.41	0.674	0.068	0	0	0	---	---	8
9	---	---	0.0018	0.0018	1.91	0.376	0.015	0	0	0	---	---	9
10	---	---	0.0018	0.0028	0.988	0.291	0.025	0	0	0	---	---	10
11	---	---	0 B	0.0018	0.030	0.085	0.053	0	0	0	---	---	11
12	---	---	0 B	0.001	0.027	0.068	0.123	0	0	0	---	---	12
13	---	---	0.0018	0.001	0.037	0.093	0.141	0	0	0	---	---	13
14	---	---	0.0018	0.001	0.050	0.394	0.138	0	0	0	---	---	14
15	---	---	0 B	0.001	1.05	0.848	0.039	0	0	0	---	---	15
16	---	---	0 B	0.001	3.15	0.772	0.024	0	0	0	---	---	16
17	---	---	0 B	0.001	3.11	0.624	0.028	0	0	0	---	---	17
18	---	---	0 B	0.001	3.13	0.572	0.038	0	0	0	---	---	18
19	---	---	0 B	0.001	3.41	0.559	0.033	0	0	0	---	---	19
20	---	---	0 B	0.001	3.51	0.554	0.038	0	0	0	---	---	20
21	---	0 B	0.0048	0.001	3.36	0.558	0.030	0	0	0	---	---	21
22	---	0 B	0.0028	0.001	3.30	0.553	0.030	0	0	0	---	---	22
23	---	0 B	0.0018	0.001	3.22	0.586	0.027	0	0	0	---	---	23
24	---	0 B	0.0018	0.001	3.17	0.557	0.011	0	0	0	---	---	24
25	---	0.0018	0.0018	0.002	3.02	0.526	0.001	0	0	0	---	---	25
26	---	0.0018	0.0018	0.018	2.98	0.534	0.001	0	0	0	---	---	26
27	---	0.0018	0.0038	0.058	2.89	0.433	0	0	0	0	---	---	27
28	---	0.0018	0.0078	0.081	2.41	0.057	0	0	0	0	---	---	28
29	---		0.0038	0.075	1.92	0.104	0	0	0	0	---	---	29
30	---		0.0018	0.108	1.96	0.108	0	0	0	0	---	---	30
31	---		0.0018		2.05		0	0		0		---	31
TOTAL	---	---	0.036	0.342	58.393	22.662	2.609	0	0	0	---	---	TOTAL
MEAN	---	---	0.001	0.011	1.92	0.782	0.078	0	0	0	---	---	MEAN
MAX	---	---	0.007	0.108	3.51	3.24	0.280	0	0	0	---	---	MAX
MIN	---	---	0	0	0.027	0.093	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.347
MAXIMUM DAILY, 3.51 ON MAY 20
MINIMUM DAILY, 0 ON MAR 11

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 38 14 N
LONG 100 38 18 W

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	208
FEB	---	AUG	0
MAR	3.11	SEP	0
APR	20.6	OCT	0
MAY	5 130	NOV	---
JUN	1 980	DEC	---

TOTAL DISCHARGE, 7 350 dam³

DEAD LAKE PROJECT - SOURIS RIVER CHANNEL - STATION NO 05NB023

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	539.802E	539.812E	539.677A	540.117A	540.565A	540.085A	540.080A	539.981A	539.837A	539.741E	539.768A	539.734E	1
2	---	---	539.678A	540.158A	540.520A	540.065A	540.073A	539.985A	539.829A	539.741E	---	---	2
3	---	---	539.680A	540.185A	540.487A	540.080A	540.064A	539.983A	539.821A	539.742E	---	---	3
4	---	---	539.684A	540.198A	540.432A	540.041A	540.052A	539.983A	539.813A	539.742E	---	---	4
5	---	---	539.691A	540.216A	540.418A	540.026A	540.042A	539.978A	539.803A	539.743E	---	---	5
6	---	---	539.684E	540.289A	540.382A	540.014A	540.031A	539.969A	539.792A	539.744E	---	---	6
7	---	---	539.687E	540.352A	540.312A	540.007A	540.018A	539.986A	539.785A	539.744E	---	---	7
8	---	---	539.900E	540.404A	540.327A	540.009A	540.008A	539.982A	539.779A	539.745E	---	---	8
9	---	---	539.903E	540.509A	540.301A	540.021A	540.000A	539.983A	539.773A	539.746E	---	---	9
10	---	---	539.908E	540.645A	540.287A	540.028A	539.991A	539.982A	539.776A	539.746E	---	---	10
11	---	---	539.909E	540.745A	540.265A	540.018A	539.977A	539.982A	539.781A	539.747E	---	---	11
12	---	---	539.912E	540.628A	540.233A	540.010A	539.961A	539.845A	539.787A	539.747E	---	---	12
13	---	---	539.918E	540.647A	540 181A	540.004A	539.945A	539.837A	539.795A	539.748E	---	---	13
14	---	---	539.920E	540.720A	540 162A	540.020A	539.936A	539.829A	539.792A	539.748E	---	---	14
15	---	---	539.924E	540.821A	540.170E	540.131A	539.933A	539.822A	539.792A	539.749E	---	---	15
16	---	---	539.928E	540.554A	540.165E	540.230A	539.932A	539.814A	539.791A	539.749E	---	---	16
17	---	---	539.932E	540.532A	540 170E	540.270A	539.928A	539.807A	539.785A	539.750E	---	---	17
18	---	---	539.936E	540.488A	540.175E	540.265A	539.919A	539.800A	539.777A	539.751E	---	---	18
19	---	---	539.940E	540.485A	540.178E	540.229A	539.955A	539.890A	539.788A	539.751E	---	---	19
20	---	---	539.944E	540.527A	540.180E	540.190A	539.966A	539.883A	539.781A	539.752E	---	---	20
21	---	---	539.948E	540.607A	540.178E	540 193A	539.977A	539.876A	539.788A	539.752E	---	---	21
22	---	---	539.952E	540.669A	540.175E	540.212A	539.970A	539.868A	539.782A	539.753E	---	---	22
23	---	---	539.956E	540.681A	540 170E	540.186A	539.964A	539.858A	539.746A	539.753E	---	---	23
24	---	---	539.960E	540.654A	540.180E	540.162A	539.953A	539.859A	539.744A	539.754E	---	---	24
25	---	---	539.964E	540.615A	540.180E	540 151A	539.956P	539.869A	539.743A	539.754E	---	---	25
26	---	---	539.968E	540.513A	540.135E	540 124A	539.974A	539.868A	539.742A	539.755E	---	---	26
27	---	---	539.972E	540.536A	540.120E	540 102A	539.974A	539.859A	539.741A	539.756E	---	---	27
28	---	539.678A	539.977A	540.548A	540 105E	540 091A	539.976A	539.851A	539 741E	539.756E	---	---	28
29	---	---	540 011A	540.548A	540.090E	540 082A	539.980A	539.855A	539.740E	539.757E	---	---	29
30	---	---	540 042A	540.548A	540 077A	540.089A	539.994A	539.850A	539.740E	539.757E	539.735A	---	30
31	539.810A		540.077A		540.072A		539.988A	539.844A		539.758E		539.704E	31
MEAN	---	---	539.935	540.503	540 235	540 103	539.985	539.918	539.778	539 749	---	---	MEAN
MAX	---	---	540 077	540.847	540.845	540.270	540.080	539.985	539 837	539 758	---	---	MAX
MIN	---	---	539.877	540.117	540.072	540.004	539.918	539.844	539 740	539.741	---	---	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MAXIMUM DAILY, 540.847A ON APR 13
MINIMUM DAILY, 539.704E ON DEC 31
MAXIMUM INSTANTANEOUS,
540.858A AT 03:59 CST ON APR 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 17 33 N
LONG 103 26 40 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DEAD LAKE RESERVOIR NEAR MIDALE - STATION NO 05NB022

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	539.802E	539.810E	539.844A	540.101A	540.524A	540.446A	540.208A	539.985A	539.848A	539.730E	539.702A	539.730E	1
2	---	---	539.849A	540 137A	540.518A	540.434A	540 187A	539 990A	539.838A	539 728E	---	---	2
3	---	---	539.852A	540 167A	540 510A	540.423A	540.190A	539 987A	539.826A	539 726E	---	---	3
4	---	---	539.855A	540.188A	540 504A	540 409A	540.178A	539 979A	539 817A	539 724E	---	---	4
5	---	---	539.862A	540.203A	540 504A	540.397A	540 153A	539 972A	539 809A	539 723E	---	---	5
6	---	---	539.865E	540 228A	540 574A	540.388A	540 150A	539 976A	539 801A	539 720E	---	---	6
7	---	---	539.868E	540 264A	540 585A	540.377A	540 144A	539 986A	539.794A	539 719E	---	---	7
8	---	---	539 871E	540.374A	540 580A	540.367A	540.125A	539.954A	539 789A	539 718E	---	---	8
9	---	---	539.874E	540 438A	540 562A	540 361A	540 120A	539.947A	539 784A	539 717E	---	---	9
10	---	---	539.877E	540 461A	540 558A	540.384A	540.114A	539.948A	539.782A	539 716E	---	---	10
11	---	---	539.880E	540 487A	540 549A	540.365A	540 098A	539.939A	539 787A	539.715E	---	---	11
12	---	---	539.884E	540 498A	540 538A	540 354A	540 079A	539 942A	539 800A	539 714E	---	---	12
13	---	---	539.888E	540 655A	540 583A	540 344A	540 067A	539 931A	539 805A	539 713E	---	---	13
14	---	---	539.892E	540 726A	540 587A	540.331A	540 085A	539 923A	539 809A	539 712E	---	---	14
15	---	---	539.898E	540.725A	540 582	540.320A	540.048A	539 923A	539 813A	539.711E	---	---	15
16	---	---	539 900E	540 718A	540 530	540 308A	540 037A	539 918A	539 818A	539 710E	---	---	16
17	---	---	539 904E	540 712A	540 554	540 290A	540 036A	539 910A	539 813A	539 708E	---	---	17
18	---	---	539 908E	540 705A	540 551	540 281A	540 020A	539 904A	539 808A	539 708E	---	---	18
19	---	---	539 912E	540 699A	540 550	540 298A	540 060A	539 899A	539 797A	539 708E	---	---	19
20	---	---	539.916E	540.696A	540.548	540 297A	540 084A	539 887A	539 790A	539 708E	---	---	20
21	---	---	539 920E	540 691A	540 552	540 288A	540 058A	539 888A	539 783A	539 707E	---	---	21
22	---	---	539 924E	540 686A	540 543	540 284A	540 051A	539 885A	539 777A	539 707E	---	---	22
23	---	---	539 928E	540 685A	540 540	540 278A	540 038A	539 883A	539 771A	539 708E	---	---	23
24	---	---	539 932E	540 673A	540 535	540 280A	540 035A	539 882A	539 784A	539 708E	---	---	24
25	---	---	539 936E	540 689A	540 527	540 249A	540 015A	539 878A	539 785A	539 708E	---	---	25
26	---	---	539 940E	540 688A	540 521	540 237A	540 010A	539 889A	539 749A	539 708E	---	---	26
27	---	---	539 945E	540 648A	540 505	540 222A	540 009A	539 853A	539 742A	539 704E	---	---	27
28	---	539.840A	539 950A	540 642A	540 487	540 211A	540 002A	539 857A	539 738E	539 704E	---	---	28
29	---	---	539 957A	540 631A	540 480	540 200A	539 994A	539 858A	539 735E	539 703E	---	---	29
30	---	---	540 016A	540 627A	540 488A	540 210A	539 993A	539 857A	539 732E	539 703E	539 730A	---	30
31	539.810A		540.085A		540 458A		539 989A	539 853A		539 702E		539 705E	31
MEAN	---	---	539 907	540 527	540 549	540 320	540 075	539 918	539 790	539 712	---	---	MEAN
MAX	---	---	540 085	540 738	540 824	540 446	540 205	539 990	539 849	539 730	---	---	MAX
MIN	---	---	539 844	540 101	540 458	540 200	539 989	539 853	539 732	539 702	---	---	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MAXIMUM DAILY, 540.738A ON APR 14
MINIMUM DAILY, 539.702E ON OCT 31
MAXIMUM INSTANTANEOUS,
540.750A AT 10:10 CST ON APR 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 17 33 N
LONG 103 26 40 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DELAROSBE LAKE NEAR BIG RIVER - STATION NO. 05AB004

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	492.895	---	492.845	492.751	492.783	492.782	---	1
2	---	---	---	---	492.910	492.936	---	492.847	492.713	492.789	492.713	---	2
3	---	---	---	---	---	---	---	492.835	492.768	492.770	492.863	---	3
4	---	---	---	---	492.912	---	492.910	492.838	492.756	492.789	---	---	4
5	---	---	---	---	---	---	492.877	492.896	492.751	492.803	---	---	5
6	---	---	---	---	---	---	492.901	---	492.788	492.788	492.729	---	6
7	---	---	---	---	---	492.912	492.907	---	492.789	---	492.795	---	7
8	---	---	---	---	492.915	492.914	492.867	492.832	---	---	492.751	---	8
9	---	---	---	---	492.942	---	492.897	492.818	---	492.771	492.748	---	9
10	---	---	---	---	---	---	492.900	492.818	---	492.772	---	---	10
11	---	---	---	---	492.920	---	492.885	---	492.781	492.770	---	---	11
12	---	---	---	---	492.910	492.932	492.884	---	492.785	492.751	---	---	12
13	---	---	---	---	492.930	492.925	492.885	492.826	492.785	492.785	---	---	13
14	---	---	---	---	492.940	492.952	---	492.803	492.743	492.746	---	---	14
15	---	---	---	---	492.900	---	---	492.811	492.723	492.750	---	---	15
16	---	---	---	---	492.890	---	---	492.800	492.733	492.783	---	---	16
17	---	---	---	---	492.908	---	---	492.801	492.783	492.748	---	---	17
18	---	---	---	---	492.940	---	---	492.791	492.813	492.737	---	---	18
19	---	---	---	---	492.975	492.747	492.888	492.817	---	492.690	---	---	19
20	---	---	---	---	492.918	492.857	492.885	492.783	---	492.750	---	---	20
21	---	---	---	---	---	492.892	492.888	492.775	---	492.745	---	---	21
22	---	---	---	---	---	492.899	492.905	492.781	---	---	---	---	22
23	---	---	---	---	---	492.886	492.867	492.780	492.775	492.755	---	---	23
24	---	---	---	---	---	492.887	492.856	492.745	492.789	492.752	---	---	24
25	---	---	---	---	492.884	492.909	492.847	492.781	492.791	492.748	---	---	25
26	---	---	---	---	492.914	492.907	492.858	492.781	492.788	492.731	---	---	26
27	---	---	---	---	492.922	492.891	492.848	---	---	492.756	---	---	27
28	---	---	---	---	492.925	492.897	492.855	---	492.813	492.745	---	---	28
29	---		---	---	492.920	492.909	---	---	492.772	492.741	---	---	29
30	---		---	---	492.914	---	---	492.748	492.788	492.708	---	---	30
31	---		---		492.904		---	492.750		492.781		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 53 33 N
LONG 105 57 16 W
DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DELLWOOD RESERVOIR AT PUMP STATION - STATION NO 05JJ003

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	529.447E	529.420E	529.401E	529.374E	529.437E	529.386	529.389E	529.388E	529.184E	529.081E	529.372E	529.938E	1
2	529.445E	529.419	529.403	529.374E	529.437	529.381E	529.389E	529.377	529.177	529.080E	529.970	529.937	2
3	529.443E	529.419E	529.400E	529.373E	529.434	529.383	529.388E	529.365	529.185E	529.048	529.968E	529.928E	3
4	529.442	529.419	529.398	529.373	529.434E	529.387E	529.390E	529.376	529.153E	529.044	529.965	529.924E	4
5	529.442	529.418E	529.398E	529.377E	529.433E	529.380E	529.390	529.372E	529.140E	529.045E	529.967E	529.923	5
6	529.441E	529.417E	529.401E	529.382	529.432E	529.374	529.388E	529.387E	529.128	529.045	529.970E	529.921E	6
7	529.440	529.416	529.402	529.382E	529.432E	529.371	529.386	529.383E	529.116	529.043E	529.972	529.920E	7
8	529.440E	529.418E	529.401E	529.402	529.431E	529.383	529.388E	529.389	529.122E	529.040	529.968E	529.927	8
9	529.438E	529.415	529.400	529.405E	529.430	529.389E	529.388	529.343E	529.126	529.038E	529.960	529.927	9
10	529.438	529.414E	529.398E	529.408E	529.441E	529.386	529.392E	529.337	529.128E	529.038E	529.958	529.929E	10
11	529.437E	529.413	529.393	529.411	529.482	529.384	529.396	529.324E	529.128E	529.037	529.958E	529.924E	11
12	529.436	529.411E	529.393E	529.409E	529.464E	529.380E	529.391E	529.321	529.126	529.023	529.957E	529.922	12
13	529.434E	529.410E	529.392E	529.407	529.456	529.389	529.386	529.313E	529.118E	529.023E	529.957E	529.922E	13
14	529.433	529.406	529.392	529.406E	529.455E	529.390E	529.383E	529.304E	529.113	529.022	529.956	529.921	14
15	529.433E	529.406E	529.391E	529.406	529.464E	529.382	529.381	529.295	529.113E	529.018E	529.953E	529.919E	15
16	529.433E	529.407	529.390	529.410E	529.463	529.382E	529.378E	529.288E	529.110E	529.014E	529.950	529.918	16
17	529.433	529.407E	529.388E	529.415E	529.443E	529.342	529.371E	529.277	529.109E	529.010	529.950E	529.918E	17
18	529.431E	529.407	529.386	529.419	529.432	529.338E	529.386	529.278E	529.108E	529.008E	529.950	529.913E	18
19	529.428	529.406E	529.385E	529.420E	529.427E	529.335E	529.384E	529.274	529.106	529.001	529.950E	529.913	19
20	529.429E	529.404E	529.384E	529.423E	529.421	529.331	529.383	529.268E	529.098E	529.998E	529.950E	529.911E	20
21	529.430	529.403	529.383	529.426	529.423E	529.333E	529.374E	529.269E	529.094	529.995	529.950	529.910	21
22	529.431E	529.403E	529.380	529.426E	529.423E	529.315	529.366	529.246	529.079E	529.995E	529.950E	529.909E	22
23	529.431E	529.402	529.379E	529.440	529.423E	529.316E	529.376E	529.241E	529.074	529.995E	529.950	529.906	23
24	529.431	529.403E	529.378	529.441E	529.424E	529.321	529.387E	529.238	529.071E	529.995	529.950E	529.906E	24
25	529.430E	529.401	529.385	529.441	529.424	529.313E	529.386	529.227	529.068E	529.990E	529.949	529.907E	25
26	529.428	529.400E	529.383E	529.440E	529.426E	529.304	529.380E	529.221E	529.065	529.985	529.947E	529.907	26
27	529.428	529.400E	529.379E	529.451	529.426	529.301E	529.402	529.215E	529.063E	529.984E	529.948E	529.901E	27
28	529.427	529.399	529.377	529.449E	529.418E	529.298E	529.412E	529.208E	529.058E	529.983	529.943	529.894	28
29	529.425E		529.378E	529.446	529.408E	529.296	529.422	529.202	529.056E	529.980E	529.941E	529.891E	29
30	529.423E		529.375	529.437	529.389	529.289	529.416E	529.197E	529.053	529.978E	529.939	529.888	30
31	529.420		529.375		529.384E		529.389E	529.191		529.973		529.888E	31
MEAN	529.434	529.409	529.389	529.414	529.432	529.364	529.381	529.281	529.108	529.014	529.955	529.918	MEAN
MAX	529.447	529.420	529.403	529.451	529.486	529.393	529.422	529.388	529.184	529.081	529.972	529.938	MAX
MIN	529.420	529.399	529.375	529.373	529.384	529.289	529.288	529.191	529.053	529.973	529.939	529.888	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MEAN, 529.395
MAXIMUM DAILY, 529.486 ON MAY 13
MINIMUM DAILY, 529.288 ON DEC 30

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 47 31 N
LONG 105 10 33 W
DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DENNIEL CREEK NEAR VAL MARIE - STATION NO. 11AC025

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.6378	5.61	0.010	0.008	0	0	0	0	0	---	1
2	---	---	0.6278	2.48	0.008	0.007	0	0	0	0	0.002	---	2
3	---	---	0.4978	1.53	0.008	0.006	0	0	0	0	0.001A	---	3
4	---	---	0.3808	0.885	0.008	0.011	0	0	0	0	---	---	4
5	---	---	0.3808	0.607	0.008	0.008	0	0	0	0	---	---	5
6	---	---	0.4138	0.470	0.008	0.008	0	0	0	0	---	---	6
7	---	---	0.3498	0.379	0.009	0.009	0	0	0	0	---	---	7
8	---	---	0.3568	0.286	0.008	0.007	0	0	0	0	---	---	8
9	---	---	0.2928	0.249	0.011	0.005	0	0	0	0	---	---	9
10	---	---	0.2018	0.184	0.022	0.002	0	0	0	0	---	---	10
11	---	---	0.1338	0.152	0.017	0.001	0.005	0	0	0	---	---	11
12	---	---	0.1648	0.118	0.163	0.002	0.020	0	0	0	---	---	12
13	---	---	0.4698	0.093	0.262	0.004	0.016	0	0	0	---	---	13
14	---	---	0.4308	0.071	0.222	0.004	0.013	0	0	0	---	---	14
15	---	---	0.3638	0.057	0.336	0.005	0.011	0	0	0	---	---	15
16	---	---	0.3258	0.048	0.286	0.005	0.008	0	0	0	---	---	16
17	---	---	0.2628	0.041	0.219	0.004	0.005	0	0	0	---	---	17
18	---	---	0.1918	0.038	0.140	0.003	0.003	0	0	0	---	---	18
19	---	---	0.1378	0.033	0.105	0.002	0	0	0	0	---	---	19
20	---	---	0.0988	0.028	0.086	0	0	0	0	0	---	---	20
21	---	---	0.0638	0.025	0.044	0	0	0	0	0	---	---	21
22	---	---	0.0428	0.022	0.033	0	0	0	0	0	---	---	22
23	---	---	0.0308	0.020	0.024	0	0	0	0	0	---	---	23
24	---	0.1478	0.0268	0.019	0.018	0	0	0	0	0	---	---	24
25	---	0.1448	0.0238	0.017	0.015	0	0	0	0	0	---	---	25
26	---	0.3888	0.0208	0.016	0.012	0	0	0	0	0	---	---	26
27	---	0.5968	0.0188	0.015	0.010	0	0	0	0	0	---	---	27
28	---	0.5338	0.2438	0.013	0.008	0	0	0	0	0	---	---	28
29	---		5.70	0.011	0.008	0	0	0	0	0	---	---	29
30	---		9.08	0.010	0.008	0	0	0	0	0	---	---	30
31	---		9.08		0.005		0	0		0		---	31
TOTAL	---	---	31.008	13.829	2.101	0.103	0.082	0	0	0	---	---	TOTAL
MEAN	---	---	1.00	0.461	0.068	0.003	0.003	0	0	0	---	---	MEAN
MAX	---	---	9.08	5.61	0.336	0.011	0.020	0	0	0	---	---	MAX
MIN	---	---	0.018	0.010	0.005	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.181
MAXIMUM DAILY, 9.08 ON MAR 30
MINIMUM DAILY, 0 ON JUN 20
MAXIMUM INSTANTANEOUS,
13.5 AT 16:33 CST ON MAR 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 18 25 N
LONG 107 42 12 W
DRAINAGE AREA, 494 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	7.08
FEB	---	AUG	0
MAR	2 680	SEP	0
APR	1 170	OCT	0
MAY	182	NOV	---
JUN	8.90	DEC	---

TOTAL DISCHARGE, 4 050 dam³

DESCHAMBAULT LAKE ON THE HANSON LAKE ROAD - STATION NO. 05KF003

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	325.192	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	325.095	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	325.087	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	---	---	---	---	---	---	---	---	29
30	---		---	---	---	---	---	---	---	---	---	---	30
31	---		---		---		---	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 40 00 N
LONG 103 24 20 W
DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DESCHARME RIVER BELOW DUPRE LAKE - STATION NO. 07CD007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	6.72	6.988	6.888	6.91	14.6	9.69	8.86	7.95	7.95	8.41	9.28	8.80	1
2	6.75	6.858	6.978	6.97	14.5	9.55	8.49	7.98	8.43	8.41	9.18	8.80	2
3	6.80	6.888	7.038	7.01	14.5 A	9.41	8.26	8.17	9.24	8.37	9.18	8.42	3
4	6.89	6.938	6.978	7.03	13.6	9.45	8.02	8.11	9.33	8.34	9.30	8.12	4
5	6.84	7.048	6.898	7.06	13.4	9.55	7.85	7.93	9.30	8.38	9.58	7.84	5
6	6.74	7.188	6.898	7.40	13.0	9.47	7.78	7.83	9.30	8.29	9.54	7.89	6
7	6.70	7.218	6.868	7.91	13.1	9.60	7.70	7.69	9.47	8.30	9.54	7.80	7
8	6.86	7.158	6.838	8.64	13.9	9.60	7.54	7.54	9.80	8.30	9.44	7.28	8
9	6.86	7.038	6.748	8.34	13.6	9.86	7.55	7.54	9.88	8.45	9.24	8.90	9
10	6.77	7.058	6.798	7.96	13.7	9.82	7.52	7.41	9.74	8.54	9.23	8.78	10
11	6.80	6.928	6.988	8.11	13.6	10.3	7.42	7.39	9.74	8.80	8.83	8.80	11
12	7.01	6.888	7.178	8.26	13.3	10.6	7.33	7.48	9.67	8.48	8.50	8.62	12
13	8.988	6.708	6.958	8.47	13.1	10.8	7.23	7.41	9.30	8.48	8.14	8.81	13
14	8.978	6.778	6.958	8.58	12.0	10.6	7.31	7.28	9.32	8.58	8.02	8.83	14
15	7.048	6.878	7.018	8.66	11.8	10.6	7.22	7.35	9.36	9.04	8.58	8.88	15
16	7.048	7.048	8.97	8.87	11.7	10.9	7.11	7.37	9.30	9.06	9.35	8.75	16
17	7.088	8.678	8.81	9.37	11.5	10.7	7.11	7.38	9.48	9.11	9.89	8.81	17
18	7.238	8.768	8.86	9.82	11.4	10.7	7.21	7.48	9.41	9.12	9.85	8.84	18
19	7.258	8.808	7.11	11.2	11.3 A	10.3	7.22	7.61	9.27	9.16	9.41	8.87	19
20	7.318	8.548	7.18	11.8	11.6 A	10.1	7.25	7.64	9.27	9.24	9.31	8.86	20
21	7.388	8.488	7.10	14.0	11.5	10.1	7.29	7.70	9.17	9.27	8.77	8.96	21
22	7.248	8.548	7.00	15.6	11.5 A	9.87	7.22	7.73	9.06	9.24	8.02	7.02	22
23	7.038	8.508	7.12	16.3	11.4	9.81	7.15	7.79	9.18	9.29	7.03	7.02	23
24	8.908	8.908	7.10	16.3	11.2	9.87	7.24	7.82	9.18	9.34	8.59	7.01	24
25	8.868	8.818	7.00	15.9	11.2 A	9.88	7.32	8.04	9.07	9.34	8.46	7.23	25
26	7.038	8.808	7.00	14.8	11.2	9.75	7.44	7.98	8.98	9.41	8.58	7.37	26
27	7.188	8.788	8.97	14.0	11.0 A	9.44	7.70	8.01	8.84	9.44	7.14	7.31	27
28	7.288	8.638	8.98	13.8	10.7	9.35	7.78	8.01	8.84	9.31	7.89	7.37	28
29	7.318		8.95	14.6	10.5	9.21	7.78	7.88	8.85	9.33	8.42	7.53	29
30	7.338		8.90	14.8	10.2	8.96	7.80	7.82	8.47	9.37	8.74	7.82	30
31	7.218		8.87		9.99A		7.81	8.03		9.36		8.05	31
TOTAL	217.39	191.26	215.87	316.76	378.49	297.96	234.29	239.87	276.82	278.33	258.53	226.57	TOTAL
MEAN	7.01	6.83	6.96	10.6	12.2	9.93	7.56	7.73	9.19	8.98	8.62	7.31	MEAN
MAX	7.36	7.21	7.19	16.3	14.6	10.9	8.86	8.17	9.80	9.44	9.89	8.80	MAX
MIN	6.70	6.48	6.74	6.91	9.99	8.96	7.11	7.28	7.95	8.29	8.46	6.83	MIN

SUMMARY FOR THE YEAR 1983

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.58
MAXIMUM DAILY, 16.3 ON APR 23
MINIMUM DAILY, 6.48 ON NOV 25
MAXIMUM INSTANTANEOUS,
16.9 AT 05:59 CST ON APR 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 07 23 N
LONG 109 13 36 W
DRAINAGE AREA, 1 890 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN 16 800	JUL 20 200
FEB 16 500	AUG 20 700
MAR 16 700	SEP 23 800
APR 27 500	OCT 23 800
MAY 32 800	NOV 22 300
JUN 25 700	DEC 19 800

TOTAL DISCHARGE, 270 000 dam³

REMARKS - STAGE-DISCHARGE RELATIONSHIP IS NOT DEFINED BY DISCHARGE MEASUREMENTS BELOW 7.50 m³/s

DILLON RIVER AT OUTLET OF DILLON LAKE - STATION NO. 08DA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.82	1.72	1.26	0.990E	11.2 E	8.86	10.9	9.36	4.67E	10.3E	10.0 E	4.30E	1
2	1.81	1.63	1.21	0.990E	10.9 E	8.51	12.0	9.41	4.47E	10.5E	9.70E	4.10E	2
3	1.99	1.61	1.20	0.990E	10.5 E	8.37	12.8	9.39	4.47E	10.7E	8.50E	3.80E	3
4	2.05	1.58	1.26	1.01 E	10.4 E	8.06	13.0	9.48	4.50E	11.1E	8.30E	3.80E	4
5	2.03	1.63	1.18	1.03 E	10.2 E	8.13	13.8	8.78	4.58E	11.3E	8.00E	3.70E	5
6	1.92	1.67	1.16	1.04 E	10.0 E	8.30	14.2	8.81	4.60E	11.4E	8.60E	3.50E	6
7	1.83	1.63	1.14	1.05 E	9.80E	8.93	14.1	8.90	4.65E	11.6A	8.60E	3.40E	7
8	1.95	1.56	1.12 E	1.07 E	9.70E	8.54	13.8	7.84	4.72E	12.1E	8.30E	3.20E	8
9	2.02	1.58	1.11 E	1.08 E	9.50E	8.75	14.3	7.86	4.80E	12.3E	8.10E	3.20E	9
10	1.91	1.61	1.10 E	1.11 E	9.40E	8.67	13.8	7.49	4.88E	12.4E	7.90E	3.10E	10
11	1.89	1.57	1.09 E	1.15 E	9.20E	8.88	13.5	7.03	4.00E	12.5E	7.70E	3.00E	11
12	1.94	1.58	1.08 E	1.20 E	9.00E	8.58	13.1	8.11	4.18E	12.6E	7.50E	2.90E	12
13	2.12	1.55	1.07 E	1.30 E	8.84A	8.51	12.8	7.33	4.30E	12.8E	7.30E	2.80E	13
14	2.10	1.57	1.07 E	1.50 E	8.30	8.20	12.5	6.80	4.45E	12.8E	7.10E	2.70E	14
15	2.12	1.63	1.07 E	2.00 E	8.28	8.01	12.3	6.41	4.60E	12.8E	7.00E	2.65E	15
16	1.95	1.50	1.06 E	2.50 E	8.23	8.13	12.2	6.26	4.80E	12.8E	6.80E	2.60E	16
17	1.90	1.45	1.06 E	3.80 E	7.81	7.88	11.9	6.15	5.00E	12.8E	6.70E	2.50E	17
18	1.94	1.47	1.06 E	5.00 E	8.26	7.76	11.1	6.34	5.20E	12.8E	6.50E	2.40E	18
19	1.99	1.47	1.05 E	6.50 E	7.52	7.58	10.8	5.73	5.45E	12.4E	6.30E	2.30E	19
20	1.97	1.46	1.05 E	7.80 E	7.62	8.01	10.3	5.78	5.70E	12.3E	6.00E	2.25E	20
21	1.95	1.44	1.04 E	8.80 E	8.25	8.30	10.3	5.83	5.85E	12.2E	5.90E	2.20E	21
22	1.88	1.43	1.04 E	10.0 E	8.06	8.06	10.1	5.14	7.25E	12.0E	5.70E	2.10E	22
23	1.86	1.38	1.03 E	11.0 E	8.05	8.06	10.0	4.88A	7.85E	11.9E	5.60E	2.05E	23
24	1.82	1.37	1.03 E	11.7 E	7.81	7.85	9.84	4.80E	7.85E	11.7E	5.40E	2.00E	24
25	1.77	1.44	1.02 E	11.9 E	7.75	8.46	9.84	4.80E	8.20E	11.5E	5.25E	1.95E	25
26	1.73	1.41	1.02 E	11.9 E	8.09	9.13	9.87	4.70E	8.50E	11.3E	5.10E	1.88E	26
27	1.73	1.36	1.01 E	11.6 E	8.26	9.21	9.79	4.60E	8.80E	11.1E	4.90E	1.82E	27
28	1.70	1.29	1.01 E	11.6 E	8.19	9.66	9.60	4.67E	9.30E	10.7E	4.70E	1.77E	28
29	1.74		1.00 E	11.5 E	8.27	10.2	9.45	4.63E	9.85E	10.6E	4.60E	1.70E	29
30	1.78		1.00 E	11.4 E	8.32	10.5	9.88	4.60E	10.0 E	10.4E	4.40E	1.70E	30
31	1.70		0.990E		8.27		9.64	4.47E		10.2E		1.65E	31
TOTAL	59.08	42.66	33.590	184.510	274.12	255.04	360.71	206.17	187.97	382.5	208.85	83.26	TOTAL
MEAN	1.91	1.52	1.08	5.15	8.84	8.53	11.6	6.65	6.27	11.7	6.99	2.69	MEAN
MAX	2.12	1.72	1.26	11.9	11.2	10.5	14.3	9.48	10.0	12.6	10.0	4.30	MAX
MIN	1.70	1.29	0.990	0.990	7.62	7.58	9.45	4.47	4.67	10.2	4.40	1.65	MIN

SUMMARY FOR THE YEAR 1983

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.11
MAXIMUM DAILY, 14.3 ON JUL 8
MINIMUM DAILY, 0.990E ON MAR 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 42 35 N
LONG 109 23 06 W
DRAINAGE AREA, 2 330 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN 5 110	JUL 31 300
FEB 3 690	AUG 17 600
MAR 2 900	SEP 18 200
APR 13 300	OCT 31 300
MAY 23 700	NOV 18 100
JUN 22 100	DEC 7 190

TOTAL DISCHARGE, 193 000 dam³

REMARKS - GAUGE MOVED ONE KILOMETRE DOWNSTREAM ON AUGUST 23, 1983

DOSHIDE RIVER NEAR RUNCIMAN - STATION NO 05KB011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR		MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0	B	2.50	0.134	0.174	0.002	0	0	---	---	1
2	---	---	0B	0	B	2.07	0.139	0.163	0.004	0	0	---	---	2
3	---	---	0B	0	B	1.84	0.142	0.189	0.004	0	0	---	---	3
4	---	---	0B	0	B	1.39	0.142	0.219	0.001	0	0	---	---	4
5	---	---	0B	0	B	1.11	0.151	0.188	0	0	0	---	---	5
6	---	---	0B	0	B	0.915	0.136	0.107	0	0	0	---	---	6
7	---	---	0B	0	B	0.723	0.145	0.108	0	0	0	---	---	7
8	---	---	0B	0	B	0.587	0.181	0.117	0	0	0	---	---	8
9	---	---	0B	0	B	0.483	0.184	0.108	0	0	0	---	---	9
10	---	---	0B	0	B	0.432	0.155	0.095	0	0	0	---	---	10
11	---	---	0B	0	B	0.356	0.136	0.095	0	0	0	---	---	11
12	---	---	0B	0	B	0.419	0.137	0.098	0	0	0	---	---	12
13	---	---	0B	0	B	0.371	0.151	0.079	0	0	0	---	---	13
14	---	---	0B	0	B	0.291	0.226	0.085	0	0	0	---	---	14
15	---	---	0B	0	B	0.234	0.215	0.078	0	0	0	---	---	15
16	---	---	0B	0	B	0.225	0.211	0.057	0	0	0	---	---	16
17	---	---	0B	0.0028	B	0.282	0.175	0.048	0	0	0	---	---	17
18	---	---	0B	0.1138	B	0.243	0.157	0.034	0	0	0	---	---	18
19	---	---	0B	0.8798	B	0.369	0.142	0.024	0	0	0	---	---	19
20	---	---	0B	4.07	B	0.453	0.129	0.014	0	0	0	---	---	20
21	---	---	0B	10.4	B	0.415	0.115	0.005	0	0	0	---	---	21
22	---	---	0B	18.0	B	0.342	0.109	0.001	0	0	0	---	---	22
23	---	---	0B	16.9		0.322	0.109	0.004	0	0	0	---	---	23
24	---	---	0B	12.2		0.286	0.128	0.012	0	0	0	---	---	24
25	---	---	0B	9.33		0.228	0.141	0.012	0	0	0	---	---	25
26	---	---	0B	8.07		0.193	0.120	0.002	0	0	0	---	---	26
27	---	---	0B	6.83		0.173	0.133	0.008	0	0	0	---	---	27
28	---	---	0B	4.98		0.160	0.159	0.010	0	0	0	---	---	28
29	---		0B	3.89		0.183	0.163	0.003	0	0	0	---	---	29
30	---		0B	3.05		0.154	0.188	0.003	0	0	0	---	---	30
31	---		0B			0.143		0.004	0		0		---	31
TOTAL	---	---	0	98.514		17.822	4.518	2.100	0.011	0	0	---	---	TOTAL
MEAN	---	---	0	3.28		0.588	0.151	0.068	0	0	0	---	---	MEAN
MAX	---	---	0	18.0		2.50	0.226	0.219	0.004	0	0	---	---	MAX
MIN	---	---	0	0		0.143	0.109	0.001	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.501
MAXIMUM DAILY, 18.0B ON APR 22
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
21.9 AT 17:28 CST ON APR 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 56 15 N
LONG 104 04 55 W
DRAINAGE AREA, 440 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	181
FEB	---	AUG	0.95
MAR	0	SEP	0
APR	5 510	OCT	0
MAY	1 520	NOV	---
JUN	380	DEC	---

TOTAL DISCHARGE, 10 600 dam³

DORE LAKE AT DORE LAKE - STATION NO 05AG003

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	28.387	---	---	---	---	28.284	---	1
2	---	---	---	---	---	28.387	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	28.417	28.445	---	---	---	---	5
6	---	---	---	---	---	28.387	---	---	28.387	---	---	---	6
7	---	---	---	---	---	28.387	---	---	---	---	---	---	7
8	---	---	---	---	---	28.387	---	28.425	---	---	---	---	8
9	---	---	---	---	---	28.385	---	---	---	---	---	---	9
10	---	---	---	---	---	28.397	---	28.425	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	28.359	---	---	---	12
13	---	---	---	---	---	28.387	28.427	---	---	---	---	---	13
14	---	---	---	---	---	28.387	---	---	---	---	---	---	14
15	---	---	---	---	---	28.389	---	28.409	---	---	---	---	15
16	---	---	---	---	---	---	---	28.407	---	---	---	---	16
17	---	---	---	---	---	28.387	---	28.407	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	28.377	---	28.406	---	---	---	---	19
20	---	---	---	---	---	28.375	28.437	---	---	---	---	---	20
21	---	---	---	---	---	28.387	---	---	---	---	---	---	21
22	---	---	---	---	---	28.383	---	---	---	---	---	---	22
23	---	---	---	---	---	28.385	---	28.377	---	---	---	---	23
24	---	---	---	---	---	28.385	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	28.377	---	---	---	---	25
26	---	---	---	---	---	---	28.447	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	---	28.435	---	---	---	---	---	---	29
30	---		---	---	---	---	---	28.388	---	---	---	---	30
31	---		---		28.371		---	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 37 43 N
LONG 107 23 41 W
DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

DORE RIVER NEAR THE MOUTH - STATION NO. 06AG003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.9100	1.120	1.220	1.140	6.90E	4.92	7.50	3.05	0.880	2.10	1.620	1.05 B	1
2	0.9200	1.130	1.080	1.130	7.20E	5.22	6.80	2.75	0.871	2.03	1.670	1.05 B	2
3	0.9300	1.140	1.100	1.120	7.30E	5.28	6.15	2.51	1.07	1.96	1.610	0.9670	3
4	0.9400	1.150	1.100	1.100	7.30E	5.45	5.36	2.30	1.09	1.96	1.780	0.9670	4
5	0.9500	1.160	1.170	1.080	7.20E	5.34	4.77	2.10	1.12	1.95	1.660	0.9660	5
6	0.9500	1.160	1.150	1.030	7.20E	4.95	4.25	2.00	1.73	1.90	1.600	0.9360	6
7	0.9500	1.170	1.120	1.010	7.20E	4.90	4.04	1.89	1.82	1.85	1.510	0.8810	7
8	0.9500	1.180	1.109	1.010	7.20E	5.12	4.15	1.76	1.72	1.85	1.540	0.8600	8
9	0.9700	1.180	1.070	1.040	7.10E	5.26	4.10	1.62	1.56	1.83	1.270	0.8540	9
10	0.9800	1.190	1.110	1.100	7.10E	5.29	3.84	1.51	1.51	1.81	1.430	0.7880	10
11	0.9900	1.170	1.120	1.200	6.90E	5.12	3.36	1.43	1.46	1.76	1.480	0.8070	11
12	0.8900	1.180	1.130	1.340	6.80E	5.06	3.19	1.47	1.47	1.74	1.330	0.8180	12
13	1.00 B	1.180	1.140	1.500	6.89E	5.13	3.05	1.50	1.46	1.72	1.300	0.7540	13
14	1.01 B	1.130	1.180	1.760	6.83	4.91	2.75	1.49	1.46	1.71	1.260	0.7050	14
15	1.02 B	1.190	1.150	2.060	6.76	4.72	2.53	1.36	1.41	1.79	1.240	0.8810	15
16	1.02 B	1.220	1.150	2.300	6.26	4.38	2.35	1.28	1.51	1.82	1.220	0.8510	16
17	1.03 B	1.270	1.150	2.550	5.85	3.78	2.27	1.26	2.26	1.86	1.220	0.8020	17
18	1.03 B	1.130	1.150	2.800	5.48	3.46	2.48	1.21	4.03	1.78	1.220	0.8760	18
19	1.04 B	1.030	1.150	3.050	5.78	3.35	3.20	1.20	3.83	1.76	1.250	0.8530	19
20	1.05 B	1.040	1.150	3.300	6.16	3.12	3.46	1.28	3.40	1.75	1.200	0.8480	20
21	1.05 B	1.030	1.150	3.450	6.90	2.80	3.85	1.30	3.13	1.74	1.190	0.8560	21
22	1.06 B	1.060	1.150	3.600	7.10	2.66	4.61	1.14	3.01	1.73	1.180	0.8530	22
23	1.06 B	1.100	1.150	3.800	6.78	2.85	5.05	1.07	2.89	1.76	1.010	0.8210	23
24	1.07 B	1.310	1.150	4.000	6.40	2.53	4.85	0.988	2.74	1.73	1.170	0.4770	24
25	1.08 B	1.310	1.150	4.200	6.16	4.17	4.43	0.944	2.82	1.68	1.210	0.4760	25
26	1.08 B	1.290	1.150	4.800	6.02	5.15	4.41	0.930	2.55	1.65	1.100	0.4880	26
27	1.09 B	1.290	1.150	5.00E	5.74	7.75	4.21	0.903	2.45	1.64	1.200	0.5100	27
28	1.10 B	1.390	1.150	5.40E	5.65	7.02	3.81	0.888	2.38	1.67	1.070	0.5420	28
29	1.10 B		1.150	5.80E	5.32	6.46	3.57	0.880	2.28	1.67	1.010	0.5920	29
30	1.11 B		1.150	6.40E	5.09	6.26	3.80	0.855	2.18	1.68	1.050	0.5890	30
31	1.12 B		1.150		4.96		3.43	0.883		1.66		0.5270	31
TOTAL	31.670	33.06	35.46	78.77	201.49	151.94	126.25	45.787	62.031	55.71	40.20	21.913	TOTAL
MEAN	1.02	1.18	1.14	2.63	6.50	5.09	4.04	1.48	2.07	1.80	1.34	0.707	MEAN
MAX	1.12	1.39	1.22	6.40	7.30	8.46	7.50	3.05	4.03	2.10	1.67	1.05	MAX
MIN	0.910	1.03	1.07	1.01	4.96	2.53	2.27	0.855	0.880	1.64	1.01	0.486	MIN

SUMMARY FOR THE YEAR 1983

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.42
MAXIMUM DAILY, 8.46 ON JUN 29
MINIMUM DAILY, 0.4860 ON DEC 26
MAXIMUM INSTANTANEOUS,
8.71 AT 16:12 CST ON JUN 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 55 10 N
LONG 107 44 20 W
DRAINAGE AREA, 2 980 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	2 730	JUL	10 800
FEB	2 860	AUG	3 950
MAR	3 060	SEP	5 380
APR	8 810	OCT	4 810
MAY	17 400	NOV	3 470
JUN	13 100	DEC	1 890

TOTAL DISCHARGE, 76 300 dam³

DOUGLAS RIVER NEAR CLUFF LAKE - STATION NO. 07MA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	6.530	6.180	5.780	4.800	17.5	10.4	8.59	8.13	8.86	8.23	7.79	5.588	1
2	6.500	6.220	5.670	4.750	16.9	10.4	8.43	7.98	8.86	8.12	7.67	5.508	2
3	6.760	6.170	5.650	4.76	16.4	10.6	8.10	8.13	8.80	7.97	7.55	5.488	3
4	6.730	6.210	5.790	4.76	15.8	11.3	7.97	7.97	8.68	7.93	7.51	5.550	4
5	6.690	6.130	5.670	4.84	15.3	11.5	7.96	7.65	8.94	8.05	7.55	5.609	5
6	6.555	6.170	5.770	5.14	14.8	11.6	8.09	7.84	8.94	8.00	7.52	5.788	6
7	6.620	6.160	5.740	5.46	14.5	11.6	8.07	7.35	8.86	7.96	7.51	5.808	7
8	6.620	6.140	5.720	5.85	14.3	11.6	7.96	7.08	7.48	7.95	7.46	5.888	8
9	6.480	6.150	5.650	6.23	14.1	11.3	8.22	7.06	7.71	7.96	7.41	5.978	9
10	6.380	6.190	5.990	6.21	14.0	11.5	8.36	7.06	7.81	7.93	6.670	6.120	10
11	6.380	6.250	5.810	6.25	13.9	11.5	8.31	6.95	7.84	7.91	6.420	6.270	11
12	6.490	6.260	5.820	6.31	13.7	11.6	8.07	6.77	7.94	7.88	6.390	6.410	12
13	6.620	6.280	5.660	6.36	13.4	11.8	7.95	6.71	7.90	7.88A	6.340	6.470	13
14	6.630	6.340	5.330	6.43	13.2	12.4	7.83	6.68A	7.84	7.84A	7.080	6.340	14
15	6.660	6.190	5.220	6.39	12.9	12.9	7.90	6.63A	7.81	8.31	7.380	6.350	15
16	6.460	6.100	5.290	6.46	12.7	13.2	8.11	6.69	7.76	8.37	7.480	6.380	16
17	6.540	5.950	5.220	6.50	12.5	13.2	8.27	6.73	7.84	8.38	7.440	6.420	17
18	6.500	5.950	5.200	6.50	12.3	13.1	8.40	6.83	7.95	8.52	7.400	6.410	18
19	6.620	6.200	5.190	7.45	12.1	12.5	8.38	7.11	8.15	8.52	7.260	6.420	19
20	6.740	6.310	5.120	8.28	12.0	12.2	8.39	7.19	8.32	8.46	7.080	6.380	20
21	6.720	6.400	5.060	8.52	11.8	11.8	8.20	7.41	8.59	8.51	6.950	6.300	21
22	6.600	6.380	5.080	11.6	11.8	11.8	8.08	7.57	8.61	8.53	6.760	6.270	22
23	6.660	6.380	5.020	12.6	11.8	11.4	8.01	7.65	8.64	8.50	6.110	6.140	23
24	6.580	6.480	4.980	14.6	11.6	10.9	7.87	7.65	8.07	8.53	5.480	6.110	24
25	6.510	6.340	5.030	16.4	11.4	10.2	7.80	7.74	8.02	8.38	4.820	6.230	25
26	6.470	6.060	4.980	17.5	11.5	10.0	7.73	7.74	8.01	8.39	5.050	6.150	26
27	6.460	5.880	4.970	18.3	11.2	9.74	7.83	7.71	8.00	8.28	5.260	6.190	27
28	6.530	5.800	4.890	18.7	11.0	9.34	8.08	7.46	8.66	8.14	5.550	6.150	28
29	6.460		4.880	18.7	10.7	9.22	8.12	7.29	8.56	8.01	5.610	6.140	29
30	6.510		4.910	18.2	10.4	8.82	8.25	7.28	8.36	7.97	5.800	6.190	30
31	6.380		4.840		10.4		8.30	7.20		7.95		6.150	31
TOTAL	203.44	173.29	166.16	276.63	406.1	339.52	251.45	227.84	238.97	253.63	200.15	189.28	TOTAL
MEAN	6.56	6.19	5.36	9.21	13.1	11.3	8.11	7.34	7.97	8.18	6.67	6.11	MEAN
MAX	6.80	6.48	5.99	18.7	17.5	13.2	8.59	8.13	8.97	8.80	7.79	6.47	MAX
MIN	6.38	5.80	4.84	4.74	10.4	8.82	7.83	6.63	8.68	7.85	4.82	5.46	MIN

SUMMARY FOR THE YEAR 1983

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.02
MAXIMUM DAILY, 18.7 ON APR 28
MINIMUM DAILY, 4.74 ON APR 3
MAXIMUM INSTANTANEOUS,
18.9 AT 23:54 CST ON APR 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 19 20 N
LONG 103 47 10 W
DRAINAGE AREA, 1 890 km²

A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	17 800	JUL	21 700
FEB	15 000	AUG	19 700
MAR	14 400	SEP	20 000
APR	23 000	OCT	21 000
MAY	35 100	NOV	17 300
JUN	28 300	DEC	18 400

TOTAL DISCHARGE, 253 000 dam³

DOWNIE LAKE INFLOW CANAL - STATION NO. 05HA070

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0708	0.802	0	0.008	0	0	0	0	---	---	1
2	---	---	0.0588	0.398	0	0.006	0	0	0	0	---	---	2
3	---	---	0.0468	0.271	0	0.006	0	0	0	0	---	---	3
4	---	---	0.0378	0.172	0	0.005	0	0	0	0	---	---	4
5	---	---	0.0388	0.100	0	0.004	0	0	0	0	---	---	5
6	---	---	0.0288	0.089	0	0.003	0	0	0	0	---	---	6
7	---	---	0.0218	0.081	0	0.002	0	0	0	0	---	---	7
8	---	---	0.0188	0.054	0	0.002	0	0	0	0	---	---	8
9	---	---	0.015	0.061	0	0.001	0	0	0	0	---	---	9
10	---	---	0.486	0.095	0		0	0	0	0	---	---	10
11	---	---	4.44	0.088	0.032	0	0	0	0	0	---	---	11
12	---	---	1.17	0.075	0.870	0	0	0	0	0	---	---	12
13	---	---	0.877	0.071	0.828	0	0	0	0	0	---	---	13
14	---	---	0.700	0.078	2.16	0	0	0	0	0	---	---	14
15	---	0.2348	0.775	0.189	1.84	0	0	0	0	0	---	---	15
16	---	0.0688	0.479	0.877	2.41	0	0	0	0	0	---	---	16
17	---	0.0148	0.316	1.21	4.72	0	0	0	0	0	---	---	17
18	---	0.0088	0.2488	0.674	5.20	0	0	0	0	0	---	---	18
19	---	0.0018	0.2448	0.396	4.07	0	0	0	0	0	---	---	19
20	---	0.0058	0.1088	0.223	1.53	0	0	0	0	0	---	---	20
21	---	0.0148	0.0788	0.058	0.267	0	0	0	0	0	---	---	21
22	---	0.0258	0.0788	0.024	0.173	0	0	0	0	0	---	---	22
23	---	0.0288	0.0308	0.011	0.097	0	0	0	0	0	---	---	23
24	---	0.0278	0.0208	0.004	0.082	0	0	0	0	0	---	---	24
25	---	0.0488	0.0298	0.001	0.047	0	0	0	0	0	---	---	25
26	---	0.0538	0.0208	0.001	0.036	0	0	0	0	0	---	---	26
27	---	0.0788	0.0178	0	0.026	0	0	0	0	0	---	---	27
28	---	0.0828	0.288	0	0.018	0	0	0	0	0	---	---	28
29	---		1.18	0	0.013	0	0	0	0	0	---	---	29
30	---		1.45	0	0.011	0	0	0	0	0	---	---	30
31	---		1.19		0.009		0	0		0		---	31
TOTAL	---	---	14.410	5.878	24.217	0.037	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.465	0.189	0.781	0.001	0	0	0	0	---	---	MEAN
MAX	---	---	4.44	1.21	5.20	0.008	0	0	0	0	---	---	MAX
MIN	---	---	0.015	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.181
MAXIMUM DAILY, 5.20 ON MAY 18
MINIMUM DAILY, 0 ON APR 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 46 05 N
LONG 105 39 10 W

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	1 250	SEP	0
APR	490	OCT	0
MAY	2 090	NOV	---
JUN	3.20	DEC	---

TOTAL DISCHARGE, 3 830 dam³

DOWNIE LAKE RESERVOIR NEAR MAPLE CREEK - STATION NO 05HA054

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	878.850	877.520E	877.682	878.248	878.123	878.085	878.018	878.780	878.582	---	1
2	---	---	878.858	877.540E	877.695	878.236	878.127	878.062	878.005	878.761	878.573	---	2
3	---	---	878.866	877.558E	877.689	878.232	878.126	878.041	878.893	878.757	878.572A	---	3
4	---	---	878.886	877.585E	877.701	878.225	878.132	877.974	878.886	878.759	---	---	4
5	---	---	878.889	877.572E	877.701	878.222	878.130	877.900	878.878	878.751	---	---	5
6	---	---	878.888	877.578A	877.695	878.222	878.126	877.822	878.867	878.747	---	---	6
7	---	---	878.885	877.569	877.690	878.218	878.123	877.739	878.863	878.743	---	---	7
8	---	---	878.880	877.571	877.688	878.210	878.120	877.855	878.855	878.736	---	---	8
9	---	---	878.873	877.579	877.687	878.205	878.138	877.577	878.865	878.737	---	---	9
10	---	---	878.877	877.585	877.695	878.199	878.152	877.503	878.847	878.734	---	---	10
11	---	---	877.035	877.583	877.691	878.193	878.177	877.425	878.843	878.723	---	---	11
12	---	---	877.159	877.583	877.705	878.192	878.172	877.350	878.837	878.695	---	---	12
13	---	---	877.204	877.581	877.763	878.187	878.165	877.273	878.832	878.664	---	---	13
14	---	---	877.237	877.581	877.868	878.184	878.158	877.198	878.827	878.636	---	---	14
15	---	878.814A	877.287	877.586	877.991	878.178	878.149	877.126	878.821	878.633	---	---	15
16	---	878.826	877.283	877.600	878.113	878.171	878.138	877.072	878.817	878.626	---	---	16
17	---	878.834	877.313	877.637	878.312	878.167	878.136	877.028	878.818	878.621	---	---	17
18	---	878.841	877.318	877.685	878.584	878.188	878.133	877.000	878.803	878.625	---	---	18
19	---	878.840	877.326	877.708	878.757	878.180	878.130	876.862	878.788	878.617	---	---	19
20	---	878.843	877.330	877.718	878.845	878.151	878.140	878.877	878.791	878.620	---	---	20
21	---	878.843	877.333	877.717	878.838	878.144	878.140	878.873	878.780	878.618	---	---	21
22	---	878.842	877.335	877.714	878.819	878.145	878.135	878.868	878.787	878.614	---	---	22
23	---	878.844	877.339	877.718	878.784	878.144	878.128	878.861	878.790	878.613	---	---	23
24	---	878.848	877.341	877.718	878.728	878.141	878.123	878.858	878.787	878.603	---	---	24
25	---	878.845	877.343E	877.715	878.673	878.131	878.118	878.853	878.788	878.604	---	---	25
26	---	878.844	877.345E	877.714	878.611	878.119	878.107	878.850	878.785	878.600	---	---	26
27	---	878.848	877.347E	877.708	878.537	878.117	878.095	878.843	878.783	878.597	---	---	27
28	---	878.847	877.358E	877.687	878.468	878.109	878.086	878.835	878.771	878.588	---	---	28
29	---		877.380E	877.684	878.398	878.121	878.082	878.833	878.781	878.589	---	---	29
30	---		877.445E	877.684	878.331	878.124	878.074	878.826	878.788	878.585	---	---	30
31	---		877.490E		878.282		878.068	878.823		878.584		---	31
MEAN	---	---	877.168	877.633	878.182	878.175	878.127	877.296	878.825	878.682	---	---	MEAN
MAX	---	---	877.490	877.719	878.845	878.248	878.177	878.085	878.915	878.781	---	---	MAX
MIN	---	---	878.850	877.520	877.887	878.108	878.068	878.823	878.788	878.584	---	---	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MAXIMUM DAILY, 878.845 ON MAY 20

MAXIMUM INSTANTANEOUS,
878.861 AT 14:20 CST ON MAY 20

WATER LEVELS ARE REFERRED TO PRAIRIE FARM REHABILITATION ADMINISTRATION DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 47 01 N
LONG 108 40 49 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAGLINE CHANNEL NEAR SQUAW RAPIDS - STATION NO. 05KH011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.908	3.26 B	0.9188	0.8818	0.9178	0.267	0	0	0	0	0	0.5338	1
2	1.858	3.46 B	0.7418	0.7948	0.9108	0.277	0	0	0	0	0	0.4838	2
3	1.888	3.66 B	0.7858	0.7418	0.758	0.244	0	0	0	0	0	0.5228	3
4	2.088	3.76 B	0.7318	0.7068	0.808	0.204	0	0	0	0	0	0.5718	4
5	2.108	3.21 B	0.8168	0.8578	0.588	0.129	0	0	0	0	0	0.6308	5
6	2.068	3.00 B	0.8318	0.8928	0.561	0.076	0	0	0	0	0	0.6818	6
7	2.238	3.49 B	0.4168	0.8308	0.507	0.017	0	0	0	0	0	0.6518	7
8	2.038	2.43 B	0.4518	0.7858	0.454	0.012	0	0	0	0	0	0.6278	8
9	2.048	0.8818	0.5408	0.6358	0.551	0	0	0	0	0	0	0.6258	9
10	2.188	0.8828	0.8178	0.5488	0.613	0	0	0	0	0	0 B	0.6518	10
11	2.388	0.5438	0.4788	0.5058	0.643	0	0	0	0	0	0 B	0.6008	11
12	2.508	0.8288	0.4668	0.8588	0.473	0	0	0	0	0	0 B	0.5828	12
13	2.048	0.7808	0.5608	0.8118	0.446	0	0	0	0	0	0.5008	0.6098	13
14	2.788	0.9528	0.4868	0.4748	0.424	0.018	0	0	0	0	1.05 B	0.6038	14
15	3.108	1.15 B	0.5778	0.8248	0.531	0.018	0	0	0	0	1.11 B	0.5938	15
16	3.048	1.23 B	0.5558	0.7348	0.450	0.013	0	0	0	0	1.07 B	0.6158	16
17	3.018	1.25 B	0.5288	0.9158	0.489	0	0	0	0	0	1.08 B	0.6578	17
18	2.908	1.10 B	0.5468	0.8838	0.448	0	0	0	0	0	1.07 B	0.6428	18
19	2.878	0.8888	0.3848	0.9938	0.482	0	0	0	0	0	0.9038	0.6288	19
20	3.018	0.9698	0.3378	0.8748	0.487	0	0	0	0	0	0.8448	0.6678	20
21	3.108	0.9388	0.5988	0.8308	0.497	0	0	0	0	0	0.7888	0.6858	21
22	3.018	0.9248	0.6788	0.9058	0.502	0	0	0	0	0	0.8518	0.5888	22
23	2.898	0.8878	0.7638	0.9798	0.377	0	0	0	0	0	0.8848	0.6408	23
24	3.318	1.01 B	0.8938	0.9158	0.284	0	0	0	0	0	0.7778	0.7738	24
25	3.588	0.9178	0.8808	0.7338	0.337	0	0	0	0	0	0.6928	0.6438	25
26	3.888	0.8668	1.03 B	0.9328	0.289	0	0	0	0	0	0.6068	0.5988	26
27	3.858	0.9188	0.8228	0.7298	0.287	0	0	0	0	0	0.4308	0.6038	27
28	3.828	0.8888	0.8878	0.8848	0.262	0	0	0	0	0	0.2948	0.6808	28
29	3.438		0.9208	0.9438	0.260	0	0	0	0	0	0.2508	0.7468	29
30	2.888		0.7778	0.8808	0.236	0	0	0	0	0	0.2388	0.6908	30
31	3.138		1.07 B		0.287		0		0	0		0.6278	31
TOTAL	85.84	45.871	20.787	23.809	14.809	1.282	0	0	0	0	13.405	19.514	TOTAL
MEAN	2.76	1.63	0.670	0.787	0.481	0.043	0	0	0	0	0.447	0.629	MEAN
MAX	3.85	3.76	1.07	0.993	0.817	0.287	0	0	0	0	1.11	0.773	MAX
MIN	1.85	0.790	0.337	0.474	0.238	0	0	0	0	0	0	0.483	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.616
MAXIMUM DAILY, 3.858 ON JAN 27
MINIMUM DAILY, 0 ON JUN 8
MAXIMUM INSTANTANEOUS,
4.288 AT 04:38 CST ON FEB 4

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 50 00 N
LONG 102 56 25 W

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	7 400	JUL	0
FEB	3 850	AUG	0
MAR	1 730	SEP	0
APR	2 040	OCT	0
MAY	1 290	NOV	1 180
JUN	112	DEC	1 690

TOTAL DISCHARGE, 19 400 dam³

DUCK CREEK NEAR KELVINGTON - STATION NO. 05LA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	1.30	0.018	0	0.359	0.009	0	---	---	1
2	---	---	0B	0 B	1.19	0.026	0.003	0.380	0.008	0	---	---	2
3	---	---	0B	0 B	0.885	0.027	0.026	0.394	0.007	0	---	---	3
4	---	---	0B	0 B	0.835	0.033	0.085	0.403	0.006	0	---	---	4
5	---	---	0B	0 B	0.737	0.031	0 105	0.384	0.006	0	---	---	5
6	---	---	0B	0 B	0.859	0	0.127	0.382	0.006	0	---	---	6
7	---	---	0B	0 B	0.820	0	0.126	0.343	0.005	0	---	---	7
8	---	---	0B	0 B	0.448	0	0.120	0.307	0.004	0	---	---	8
9	---	---	0B	0.0048	0.330	0	0.191	0.288	0.007	0	---	---	9
10	---	---	0B	0.0048	0.383	0	0.272	0.258	0.007	0	---	---	10
11	---	---	0B	0.0088	0.354	0	0.385	0.231	0.007	0	---	---	11
12	---	---	0B	0.0088	0.388	0	0.418	0.207	0.006	0	---	---	12
13	---	---	0B	0.0128	0.345	0	0.496	0.135	0.003	0	---	---	13
14	---	---	0B	0.0108	0.353	0	0.419	0.163	0.005	0	---	---	14
15	---	---	0B	0.0098	0.387	0	0.334	0.143	0.005	0	---	---	15
16	---	---	0B	0.0108	0.405	0	0.321	0.128	0.004	0	---	---	16
17	---	---	0B	0.0178	0.280	0	0.290	0.114	0.005	0	---	---	17
18	---	---	0B	0.0228	0.302	0	0.273	0.102	0.004	0	---	---	18
19	---	---	0B	0.0778	0.251	0	0.277	0.080	0.004	0	---	---	19
20	---	---	0B	1.08 B	0.188	0	0.281	0.080	0.003	0	---	---	20
21	---	---	0B	5.75 B	0.170	0	0.278	0.088	0.003	0	---	---	21
22	---	---	0B	7.15	0.158	0	0.257	0.088	0.002	0	---	---	22
23	---	---	0B	6.45	0.140	0	0.440	0.048	0.002	0	---	---	23
24	---	---	0B	5.34	0.118	0	0.824	0.040	0.002	0	---	---	24
25	---	---	0B	4.62	0.082	0	0.638	0.040	0.001	0	---	---	25
26	---	---	0B	3.62	0.088	0	0.551	0.038	0.001	0	---	---	26
27	---	---	0B	2.80	0.051	0	0.582	0.041	0	0.008	---	---	27
28	---	---	0B	2.31	0.043	0	0.538	0.043	0	0.006	---	---	28
29	---		0B	1.81	0.031	0	0.507	0.035	0	0.012	---	---	29
30	---		0B	1.46	0.027	0	0 458	0.019	0	0.012	---	---	30
31	---		0B		0.012		0.404	0.013		0		---	31
TOTAL	---	---	0	42.510	11.775	0.135	9.885	5.325	0.126	0.035	---	---	TOTAL
MEAN	---	---	0	1.42	0.380	0.005	0.319	0.172	0.004	0.001	---	---	MEAN
MAX	---	---	0	7.15	1.30	0.033	0.638	0.403	0.009	0.012	---	---	MAX
MIN	---	---	0	0	0.012	0	0	0.013	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.285
MAXIMUM DAILY, 7.15 ON APR 22
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
9.28 AT 15:55 CST ON APR 21

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 08 40 N
LONG 103 37 34 W
DRAINAGE AREA, 209 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	854
FEB	---	AUG	460
MAR	0	SEP	10.8
APR	3 870	OCT	3.02
MAY	1 020	NOV	---
JUN	11.7	DEC	---

TOTAL DISCHARGE, 6 030 dam³

EAGLE CREEK NEAR ANGLIA - STATION NO. 05CC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.030B	11.0 B	0.232	0.025	0.052	0.180	0.011	0.017E	0.034E	---	1
2	---	---	0.010B	6.50	0.201	0.024	0.104	0.157	0.010	0.018E	0.034E	---	2
3	---	---	0.010B	4.74	0.320	0.023	7.33	0.118	0.009	0.018E	0.034A	---	3
4	---	---	0 B	5.02	0.371	0.024	8.11	0.083	0.008	0.019E	---	---	4
5	---	---	0 B	3.93	0.352	0.024	3.00	0.044	0.007	0.020E	---	---	5
6	---	---	0.287B	3.59	0.301	0.025	1.75	0.032	0.006	0.020E	---	---	6
7	---	---	0.381B	3.05	0.247	0.026	0.983	0.029	0.005	0.020E	---	---	7
8	---	---	0.092B	2.72	0.187	0.026	0.672	0.026	0.005	0.021E	---	---	8
9	---	---	0.065B	1.93	0.158	0.023	0.485	0.026	0.007	0.021E	---	---	9
10	---	---	0.036B	1.35 B	0.193	0.022	0.377	0.026	0.008	0.022E	---	---	10
11	---	---	0.072B	1.26 B	0.186	0.022	0.344	0.025	0.009	0.022E	---	---	11
12	---	---	1.94 B	0.857B	0.189	0.022	0.313	0.024	0.010	0.023E	---	---	12
13	---	---	4.17 B	0.724B	0.180	0.021	8.05	0.023	0.011	0.023E	---	---	13
14	---	---	4.74 B	0.693B	0.162	0.021	5.38	0.023	0.012	0.024E	---	---	14
15	---	---	2.86 B	0.636	0.137	0.020	3.12	0.022	0.013	0.024E	---	---	15
16	---	---	2.24 B	0.648	0.126	0.020	1.58	0.022	0.015	0.025E	---	---	16
17	---	---	1.49 B	0.629	0.120	0.020	0.890	0.021	0.017	0.025E	---	---	17
18	---	---	1.23 B	0.611	0.104	0.020	0.488	0.021	0.018	0.026E	---	---	18
19	---	---	0.678B	0.618	0.100	0.020	0.287	0.021	0.020E	0.027E	---	---	19
20	---	---	0.263B	0.616	0.084	0.019	0.283	0.020	0.021E	0.028E	---	---	20
21	---	---	0.037B	0.571	0.086	0.019	0.299	0.020	0.024A	0.028E	---	---	21
22	---	---	0.012B	0.489	0.087	0.019	0.488	0.020	0.024E	0.029E	---	---	22
23	---	---	0.010B	0.412	0.078	0.019	0.652	0.020	0.024E	0.030E	---	---	23
24	---	---	0.012B	0.348	0.071	0.020	0.584	0.019	0.024E	0.030E	---	---	24
25	---	---	0.013B	0.314	0.084	0.802	0.371	0.019	0.023E	0.031E	---	---	25
26	---	---	0.012B	0.382	0.058	0.285	0.285	0.019	0.021E	0.031E	---	---	26
27	---	---	0.012B	0.446	0.044	0.051	0.188	0.019	0.018E	0.032E	---	---	27
28	---	0.035B	0.335B	0.436	0.032	0.046	0.187	0.018	0.018A	0.032E	---	---	28
29	---		5.15 B	0.337	0.023	0.052	0.189	0.015	0.017E	0.033E	---	---	29
30	---		14.8 B	0.276	0.024	0.052	0.184	0.013	0.017E	0.033E	---	---	30
31	---		13.8 B		0.025		0.155	0.012		0.034E		---	31
TOTAL	---	---	85.783	85.131	4.851	1.802	46.124	1.115	0.431	0.786	---	---	TOTAL
MEAN	---	---	1.80	1.84	0.147	0.060	1.48	0.036	0.014	0.025	---	---	MEAN
MAX	---	---	14.8	11.0	0.371	0.802	8.11	0.180	0.024	0.034	---	---	MAX
MIN	---	---	0	0.276	0.023	0.019	0.052	0.012	0.005	0.017	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.676
MAXIMUM DAILY, 14.8B ON MAR 30
MINIMUM DAILY, 0B ON MAR 4
MAXIMUM INSTANTANEOUS,
16.2B AT 16:53 CST ON MAR 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 33 43 N
LONG 108 10 58 W
DRAINAGE AREA, 5 730 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 990
FEB	---	AUG	95.3
MAR	4 820	SEP	37.2
APR	4 780	OCT	67.9
MAY	353	NOV	---
JUN	156	DEC	---

TOTAL DISCHARGE, 14 300 dam³

EAGLE CREEK NEAR ENVIRON - STATION NO. 05CC006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.040B	1.018	1.80	0.320	0.318	0.996	0.018	0.067	0.031	---	1
2	---	---	0.040B	1.728	1.89	0.286	2.01	0.859	0.030	0.068	0.025A	---	2
3	---	---	0.042B	2.968	1.57	0.269	2.08	0.698	0.085	0.063	---	---	3
4	---	---	0.042B	3.788	1.47	0.271	1.78	0.584	0.078	0.072	---	---	4
5	---	---	0.044B	7.408	1.40	0.246	1.55	0.485	0.100	0.077	---	---	5
6	---	---	0.045B	11.0 B	1.33	0.217	1.48	0.384	0.149	0.082	---	---	6
7	---	---	0.048B	20.0 B	1.28	0.183	1.88	0.347	0.118	0.083	---	---	7
8	---	---	0.048B	22.9 B	1.28	0.170	1.78	0.389	0.106	0.083	---	---	8
9	---	---	0.049B	20.2	1.11	0.185	1.90	0.458	0.150	0.058	---	---	9
10	---	---	0.050B	17.2	1.12	0.201	1.98	0.487	0.389	0.039	---	---	10
11	---	---	0.048B	14.2	1.07	0.213	1.97	0.448	0.219	0.037	---	---	11
12	---	---	0.058B	9.55	1.02	0.228	2.20	0.509	0.134	0.037	---	---	12
13	---	---	0.066B	8.73	0.984	0.222	2.38	0.524	0.107	0.034	---	---	13
14	---	---	0.075B	7.00	1.06	0.231	2.28	0.398	0.084	0.033	---	---	14
15	---	---	0.065B	6.28	1.21	0.246	2.01	0.391	0.073	0.047	---	---	15
16	---	---	0.059B	5.19	1.21	0.245	1.73	0.356	0.057	0.041	---	---	16
17	---	---	0.059B	4.19	1.18	0.241	1.50	0.252	0.104	0.034	---	---	17
18	---	---	0.062B	3.70	1.13	0.228	1.28	0.257	0.126	0.033	---	---	18
19	---	---	0.063B	3.32	1.09	0.214	1.13	0.381	0.100	0.035	---	---	19
20	---	---	0.053B	2.90	1.07	0.183	1.07	0.336	0.082	0.027	---	---	20
21	---	---	0.056B	2.57	1.04	0.185	1.07	0.281	0.073	0.018	---	---	21
22	---	---	0.052B	2.32	0.985	0.132	0.876	0.205	0.084	0.016	---	---	22
23	---	---	0.043B	2.14	0.986	0.111	1.28	0.131	0.088	0.017	---	---	23
24	---	---	0.043B	2.01	0.922	0.103	1.85	0.114	0.080	0.024	---	---	24
25	---	---	0.046B	1.83	0.849	0.121	1.91	0.118	0.085	0.023	---	---	25
26	---	---	0.038B	2.07	0.736	0.069	1.78	0.107	0.080	0.014	---	---	26
27	---	---	0.036B	2.06	0.882	0.080	1.85	0.095	0.048	0.013	---	---	27
28	---	---	0.058B	2.07	0.804	0.031	1.58	0.082	0.045	0.020	---	---	28
29	---		2.63 B	2.01	0.524	0.022	1.51	0.080	0.084	0.020	---	---	29
30	---		1.43 B	1.92	0.451	0.025	1.38	0.105	0.086	0.020	---	---	30
31	---		1.00 B		0.379		1.14	0.037		0.020		---	31
TOTAL	---	---	5.683	192.34	33.234	5.418	50.144	10.820	2.851	1.256	---	---	TOTAL
MEAN	---	---	0.216	6.41	1.07	0.181	1.62	0.349	0.095	0.041	---	---	MEAN
MAX	---	---	2.63	22.9	1.80	0.320	2.38	0.996	0.389	0.083	---	---	MAX
MIN	---	---	0.036	1.01	0.379	0.022	0.318	0.037	0.018	0.013	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.24
MAXIMUM DAILY, 22.9B ON APR 6
MINIMUM DAILY, 0.013 ON OCT 27
MAXIMUM INSTANTANEOUS,
28.2B AT 18:55 CST ON APR 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 13 50 N
LONG 107 22 40 W
DRAINAGE AREA, 11 800 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	4 330
FEB	---	AUG	935
MAR	577	SEP	346
APR	18 500	OCT	109
MAY	2 870	NOV	---
JUN	484	DEC	---

TOTAL DISCHARGE, 28 100 dam³

EAST POPLAR RIVER ABOVE COOKSON RESERVOIR - STATION NO. 11AE014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.0668	0.373	0.001	0.001	0	0	0	0	0	---	1
2	---	0 B	0.7828	0.162	0.001	0.001	0	0	0	0	---	---	2
3	---	0 B	0.4808	0.177	0.001	0	0	0	0	0	---	---	3
4	---	0 B	0.3478	0.180	0.001	0	0	0	0	0	---	---	4
5	---	0 B	0.2768	0.106	0.001	0	0	0	0	0	---	---	5
6	---	0 B	0.2008	0.070	0.001	0	0	0	0	0	---	---	6
7	---	0 B	0.1468	0.046	0.001	0	0	0	0	0	---	---	7
8	---	0 B	0.1228	0.041	0.001	0	0	0	0	0	---	---	8
9	---	0 B	0.0868	0.034	0.001	0	0	0	0	0	---	---	9
10	---	0 B	0.1238	0.027	0.001	0	0	0	0	0	---	---	10
11	---	0 B	1.05 B	0.029	0.001	0	0	0	0	0	---	---	11
12	---	0 B	1.09 B	0.019	0.001	0.009	0	0	0	0	---	---	12
13	---	0 B	0.7008	0.283	0.004	0.007	0	0	0	0	---	---	13
14	---	0 B	0.6008	1.20	0.008	0.005	0	0	0	0	---	---	14
15	---	0 B	0.5368	0.748	0.008	0.002	0	0	0	0	---	---	15
16	---	0 B	0.4468	0.305	0.026	0.002	0	0	0	0	---	---	16
17	---	0 B	0.2938	0.212	0.007	0.002	0	0	0	0	---	---	17
18	---	0.0018	0.1548	0.098	0.127	0.002	0	0	0	0	---	---	18
19	---	0.0068	0.0878	0.020	0.107	0.001	0	0	0	0	---	---	19
20	---	0.0068	0.0738	0.010	0.138	0.001	0	0	0	0	---	---	20
21	---	0.0188	0.0688	0.008	0.102	0	0	0	0	0	---	---	21
22	---	0.3438	0.0628	0.006	0.023	0	0	0	0	0	---	---	22
23	---	1.26 B	0.0588	0.006	0.013	0	0	0	0	0	---	---	23
24	---	1.28 B	0.0558	0.003	0.008	0	0	0	0	0	---	---	24
25	---	0.9918	0.0528	0.003	0.007	0	0	0	0	0	---	---	25
26	---	1.28 B	0.0508	0.002	0.006	0	0	0	0	0	---	---	26
27	---	1.60 B	0.0508	0.002	0.003	0	0	0	0	0	---	---	27
28	---	0.9438	0.5108	0.002	0.002	0	0	0	0	0	---	---	28
29	---		4.22	0.002	0.001	0	0	0	0	0	---	---	29
30	---		3.21	0.001	0.001	0	0	0	0	0	---	---	30
31	---		1.14		0.001		0	0		0		---	31
TOTAL	---	7.506	19.190	4.283	0.986	0.034	0	0	0	0	---	---	TOTAL
MEAN	---	0.268	0.619	0.142	0.022	0.001	0	0	0	0	---	---	MEAN
MAX	---	1.60	4.22	1.20	0.138	0.009	0	0	0	0	---	---	MAX
MIN	---	0	0.050	0.001	0.001	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.089
MAXIMUM DAILY, 4.22 ON MAR 29
MINIMUM DAILY, 0 ON JUN 3
MAXIMUM INSTANTANEOUS,
8.81 AT 04:26 CST ON MAR 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 13 51 N
LONG 106 32 26 W
DRAINAGE AREA, 143 km²

B - ICE CONDITIONS

NATURAL FLOW

REMARKS - SIGNIFICANT RUNOFF OCCURRED IN FEBRUARY, OUTSIDE THE STANDARD PERIOD

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	649	AUG	0
MAR	1 650	SEP	0
APR	368	OCT	0
MAY	85 1	NOV	---
JUN	2 94	DEC	---

TOTAL DISCHARGE, 2 090 dam³

EAST POPLAR RIVER AT INTERNATIONAL BOUNDARY - STATION NO. 11AE003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0858	0.0858	0.0898	0.536	0.510	0.083	0.076	0.074	0.068	0.091	0.086	0.079	1
2	0.0858	0.0858	0.1028	0.586	0.536	0.106	0.082	0.076	0.071	0.088	0.088	0.079	2
3	0.0858	0.0858	0.1068	0.986	0.851	0.116	0.082	0.074	0.068	0.082	0.088	0.079	3
4	0.0858	0.0858	0.1068	0.996	0.996	0.122	0.082	0.074	0.068	0.082	0.085	0.079	4
5	0.0858	0.0828	0.1108	0.536	0.566	0.106	0.076	0.071	0.074	0.079	0.082	0.079	5
6	0.0818	0.0828	0.2568	0.536	0.566	0.102	0.076	0.070	0.068	0.079	0.079	0.079	6
7	0.0818	0.0828	0.2968	0.536	0.566	0.096	0.076	0.076	0.068	0.079	0.085	0.079	7
8	0.0818	0.0828	0.2128	0.536	0.566	0.090	0.068	0.071	0.071	0.079	0.076	0.079	8
9	0.0828	0.0858	0.1428	0.536	0.595	0.091	0.074	0.076	0.082	0.079	0.079	0.074	9
10	0.0818	0.0868	0.1298	0.510	0.980	0.085	0.089	0.074	0.082	0.079	0.079	0.074	10
11	0.0828	0.0868	0.1238	0.595	0.538	0.091	0.129	0.085	0.079	0.082	0.079	0.074	11
12	0.0818	0.0868	0.7218	0.536	0.566	0.134	0.086	0.071	0.085	0.082	0.085	0.074	12
13	0.0868	0.0818	0.8518	0.453	0.783	0.187	0.068	0.071	0.079	0.082	0.085	0.0788	13
14	0.0868	0.0818	1.30 B	0.510	0.481	0.147	0.082	0.071	0.079	0.082	0.085	0.0788	14
15	0.0868	0.0868	2.86 B	0.736	0.426	0.127	0.088	0.071	0.085	0.082	0.082	0.0788	15
16	0.0818	0.1028	2.61 B	0.595	0.426	0.102	0.082	0.071	0.082	0.085	0.082	0.0788	16
17	0.0868	0.0928	2.61	0.680	0.340	0.096	0.079	0.071	0.085	0.085	0.082	0.0788	17
18	0.0868	0.1028	2.28	0.623	0.198	0.085	0.079	0.071	0.079	0.085	0.085	0.0788	18
19	0.0868	0.1068	2.12	0.595	0.142	0.086	0.079	0.076	0.076	0.085	0.085	0.0748	19
20	0.0868	0.0928	2.10	0.595	0.127	0.082	0.076	0.071	0.079	0.085	0.088	0.0748	20
21	0.0868	0.0868	2.10	0.595	0.198	0.082	0.076	0.071	0.079	0.088	0.079	0.0718	21
22	0.0868	0.0868	2.07	0.536	0.181	0.082	0.076	0.076	0.076	0.088	0.079	0.0718	22
23	0.0868	0.0868	1.82	0.481	0.130	0.076	0.074	0.085	0.076	0.088	0.079	0.0688	23
24	0.0868	0.0868	0.173	0.453	0.120	0.076	0.071	0.076	0.076	0.088	0.082	0.0688	24
25	0.0868	0.0868	0.169	0.453	0.106	0.085	0.074	0.076	0.076	0.088	0.079	0.0688	25
26	0.0868	0.1028	0.150	0.508	0.106	0.082	0.068	0.076	0.076	0.091	0.076	0.0688	26
27	0.0868	0.1068	0.130	0.566	0.106	0.076	0.079	0.074	0.076	0.091	0.076	0.0768	27
28	0.0868	0.0998	0.126	0.680	0.110	0.076	0.076	0.074	0.076	0.091	0.076	0.0768	28
29	0.0868		0.120	0.538	0.108	0.076	0.076	0.074	0.076	0.091	0.079	0.0768	29
30	0.0868		0.184	0.510	0.102	0.076	0.076	0.071	0.085	0.088	0.079	0.0768	30
31	0.0858		0.728		0.088		0.076	0.068		0.091		0.0798	31
TOTAL	2.733	2.879	25.892	17.124	11.122	2.974	2.906	2.270	2.282	2.829	2.459	2.321	TOTAL
MEAN	0.088	0.092	0.826	0.571	0.359	0.099	0.061	0.073	0.076	0.089	0.082	0.075	MEAN
MAX	0.089	0.106	2.86	0.980	0.783	0.184	0.129	0.086	0.085	0.091	0.088	0.079	MAX
MIN	0.085	0.082	0.089	0.453	0.088	0.076	0.068	0.068	0.068	0.079	0.076	0.069	MIN

SUMMARY FOR THE YEAR 1983

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.210
MAXIMUM DAILY, 2.860 ON MAR 15
MINIMUM DAILY, 0.068 ON AUG 11
MAXIMUM INSTANTANEOUS,
2.738 AT 00:00 CST ON MAR 15

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 00 00 N
LONG 106 24 22 W
DRAINAGE AREA, 1 000 km²

B - ICE CONDITIONS

REGULATED SINCE 1975

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	229	JUL	217
FEB	223	AUG	196
MAR	2 210	SEP	198
APR	1 480	OCT	227
MAY	963	NOV	213
JUN	257	DEC	201

TOTAL DISCHARGE, 6 930 dam³

EASTEND CANAL - STATION NO 11AC052

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	1.92	0	1.39	0	0	---	---	1
2	---	---	0	0	0	1.87	0	1.38	0	0	---	---	2
3	---	---	0	0	0	1.91	0	1.38	0	0	---	---	3
4	---	---	0	0	0	1.91	0	1.38	0	0	---	---	4
5	---	---	0	0	0	1.87	0	1.34	0	0	---	---	5
6	---	---	0	0	1.63	0.472	0	1.31	0	0	---	---	6
7	---	---	0	0	1.51	0.308	0	1.28	0	0	---	---	7
8	---	---	0	0	1.57	0.010	0	1.28	0	0	---	---	8
9	---	---	0	0	1.63	0	0	1.28	0	0	---	---	9
10	---	---	0	0	0.521	0	0	0.787	0	0	---	---	10
11	---	---	0	0	0.001	0	0	0.587	0	0	---	---	11
12	---	---	0	0	0	0	0	0.283	0	0	---	---	12
13	---	---	0	0	0	0	0	0.002	0	0	---	---	13
14	---	---	0	0	0	0	0	0	0	0	---	---	14
15	---	---	0	0	0	0	0	0	0	0	---	---	15
16	---	---	0	0	0	0	0	0	0	0	---	---	16
17	---	---	0	0	0	0	0	0	0	0	---	---	17
18	---	---	0	0	0	0	0	0	0	0	---	---	18
19	---	---	0	0	0	0	0	0	0	0	---	---	19
20	---	---	0	0	0	0	0.827	0	0	0	---	---	20
21	---	---	0	0	0	0	1.23	0	0	0	---	---	21
22	---	0	0	0	0	0	1.20	0	0	0	---	---	22
23	---	0	0	0	0	0	1.14	0	0	0	---	---	23
24	---	0	0	0	1.18	0	1.15	0	0	0	---	---	24
25	---	0	0	0	1.73	0	1.15	0	0	0	---	---	25
26	---	0	0	0	1.77	0	1.17	0	0	0	---	---	26
27	---	0	0	0	1.80	0	1.24	0	0	0	---	---	27
28	---	0	0	0	2.01	0	1.29	0	0	0	---	---	28
29	---		0	0	2.01	0	1.46	0	0	0	---	---	29
30	---		0	0	2.00	0	1.52	0	0	0	---	---	30
31	---		0		2.00		1.49	0		0		---	31
TOTAL	---	---	0	0	20.842	10.070	14.967	13.828	0	0	---	---	TOTAL
MEAN	---	---	0	0	0.672	0.336	0.483	0.460	0	0	---	---	MEAN
MAX	---	---	0	0	2.01	1.92	1.52	1.39	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.243
MAXIMUM DAILY, 2.01 ON MAY 28
MINIMUM DAILY, 0 ON MAR 1

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 30 21 N
LONG 108 50 54 W

REGULATED SINCE 1937

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	1 290
FEB	---	AUG	1 190
MAR	0	SEP	0
APR	0	OCT	0
MAY	1 800	NOV	---
JUN	870	DEC	---

TOTAL DISCHARGE, 5 160 dam³

EASTEND RESERVOIR - STATION NO. 11AC055

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	915.803	918.238A	918.229	917.932	918.154	917.775	916.976	915.621	915.482	---	1
2	---	---	915.901	918.215A	918.242	917.848	918.178	917.701	916.964	915.583	915.481A	---	2
3	---	---	915.984	918.230A	918.271	917.757	918.183	917.620	916.947	915.591	---	---	3
4	---	---	916.037	918.251A	918.316	917.677	918.180	917.535	916.935	915.580	---	---	4
5	---	---	916.107	918.276A	918.381	917.588	918.183	917.467	916.920	915.586	---	---	5
6	---	---	916.291	918.264	918.386	917.572	918.198	917.359	916.903	915.574	---	---	6
7	---	---	916.484	918.226	918.367	917.576	918.187	917.262	916.887	915.587	---	---	7
8	---	---	916.586	918.202	918.331	917.590	918.188	917.170	916.889	915.577	---	---	8
9	---	---	916.677	918.198	918.207	917.630	918.211	917.073	916.885	915.576	---	---	9
10	---	---	916.781	918.223	918.326	917.655	918.261	916.987	916.869	915.582	---	---	10
11	---	---	916.857	918.223	918.268	917.679	918.342	916.969	916.860	915.582	---	---	11
12	---	---	917.229	918.210A	918.175	917.724	918.579	916.944	916.847	915.584	---	---	12
13	---	---	917.051	918.204A	918.011	917.786	918.284	916.957	916.841	915.489	---	---	13
14	---	---	917.080	918.208A	917.926	917.804	918.230	916.976	916.837	915.502	---	---	14
15	---	---	917.519	918.204A	917.976	917.834	918.268	916.985	916.830	915.500	---	---	15
16	---	---	917.585	918.221A	918.032	917.858	918.268	917.000	916.826	915.505	---	---	16
17	---	---	917.626	918.220E	918.115	917.883	918.254	917.015	916.828	915.487	---	---	17
18	---	---	917.652	918.232A	918.201	917.906	918.258	917.011	916.822	915.489	---	---	18
19	---	---	917.652	918.242A	918.263	917.922	918.283	917.011	916.807	915.487	---	---	19
20	---	---	917.630	918.252	918.257	917.931	918.312	917.016	916.785	915.487	---	---	20
21	---	---	917.587	918.259	918.250	917.937	918.234	917.013	916.767	915.486	---	---	21
22	---	915.400E	917.584	918.262	918.237	917.940	918.212	917.013	916.758	915.486	---	---	22
23	---	915.481A	917.595	918.250	918.422	917.968	918.209	917.015	916.761	915.483	---	---	23
24	---	915.485	917.617	918.252	918.454	917.982	918.248	917.020	916.741	915.483	---	---	24
25	---	915.489	917.643	918.254	918.428	917.988	918.217	917.023	916.668	915.477	---	---	25
26	---	915.500	917.682	918.248	918.304	917.980	918.181	917.022	916.531	915.486	---	---	26
27	---	915.500	917.683	918.220	918.246	917.989	918.147	917.020	916.232	915.481	---	---	27
28	---	915.500	917.707	918.228	918.205	917.987	918.088	917.018	916.111	915.484	---	---	28
29	---		917.751	918.238	918.200	918.080	918.017	917.017	915.888	915.483	---	---	29
30	---		917.856	918.243	918.113	918.181	917.939	917.014	915.709	915.485	---	---	30
31	---		918.136A		918.025		917.852	916.988		915.483		---	31
MEAN	---	---	917.177	918.233	918.248	917.839	918.216	917.120	916.720	915.521	---	---	MEAN
MAX	---	---	918.136	918.276	918.454	918.181	918.579	917.775	916.976	915.621	---	---	MAX
MIN	---	---	915.803	918.198	917.926	917.572	917.852	916.944	915.709	915.481	---	---	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MAXIMUM DAILY, 918.579 ON JUL 12

MAXIMUM INSTANTANEOUS,
918.887 AT 16:01 CST ON JUL 12

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 30 22 N
LONG 108 51 06 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1937

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - THE MAXIMUM INSTANTANEOUS WATER LEVEL OCCURRED AS A RESULT OF WIND EFFECT

ECHO LAKE AT FISH HATCHERY - STATION NO. 05JK005

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	478.835	478.810	478.737	478.680	479.064	479.182	479.106	479.102	479.060	478.831	478.541	478.500	1
2	478.833	478.807	478.734	478.676	479.065	479.169	479.115	479.108	479.066	478.828	478.536	478.500	2
3	478.834	478.806	478.733	478.677	479.064	479.167	479.135	479.178	479.016	478.827	478.530	478.518	3
4	478.835	478.806	478.729	478.676	479.063	479.128	479.120	479.104	479.006	478.793	478.530	478.521A	4
5	478.833	478.805	478.722	478.674	479.061	479.116	479.120	479.168	478.996	478.788	478.537	478.518A	5
6	478.832	478.807	478.728	478.673	479.063	479.104	479.128	479.149	478.985	478.760	478.538	478.532	6
7	478.830	478.807	478.768	478.676	479.054	479.083	479.133	479.142	478.973	478.730	478.531	478.528	7
8	478.833	478.807	478.764	478.677	479.056	479.083	479.124	479.133	478.966	478.718	478.530	478.524	8
9	478.832	478.809	478.726	478.681	479.057	479.084	479.124A	479.128	478.995	478.706	478.528	478.522	9
10	478.828	478.812	478.731	478.688	479.068	479.083	479.170	479.107	478.990	478.701	478.524	478.526	10
11	478.820	478.813	478.727	478.710	479.080	479.085	479.208	479.083	478.967	478.686	478.517	478.533	11
12	478.821	478.814	478.721	478.738	479.110	479.118	479.213	479.084	478.953	478.679	478.513	478.538	12
13	478.819	478.816	478.716	478.770	479.150	479.125	479.218	479.083	478.948	478.660	478.513	478.544	13
14	478.817	478.802	478.711	478.782	479.160	479.117	479.218	479.073	478.938	478.660	478.513	478.546	14
15	478.814	478.798	478.720	478.807	479.174	479.106	479.236	479.066	478.934	478.648	478.510	478.547	15
16	478.812	478.782	478.715	478.818	479.193	479.102	479.237	479.066	478.937A	478.636	478.511	478.548	16
17	478.807	478.782	478.704	478.832	479.210	479.089	479.238	479.063	478.931E	478.627	478.511	478.550	17
18	478.806	478.781	478.706	478.842	479.218	479.081	479.228	479.067	478.921E	478.617	478.503	478.553	18
19	478.800	478.780	478.701	478.858	479.225	479.102	479.221	479.060	478.900E	478.607	478.498	478.553	19
20	478.809	478.776	478.686	478.878	479.235	479.100	479.216	479.031	478.890E	478.606	478.493	478.556	20
21	478.812	478.771	478.685	478.900	479.250	479.085	479.236	479.026	478.887E	478.597	478.495	478.558	21
22	478.813	478.767	478.691	478.922	479.257	479.083	479.242	479.022	478.874A	478.591	478.493	478.566	22
23	478.813	478.761	478.690	478.946	479.260	479.080	479.235	479.018	478.863	478.586	478.495	478.568	23
24	478.810	478.764	478.681	478.965	479.260	479.086	479.225	479.018	478.859	478.578	478.490	478.568	24
25	478.806	478.750	478.680	478.981	479.250	479.116	479.220	479.019	478.864	478.573	478.494	478.564	25
26	478.803	478.748	478.680	479.002	479.248	479.113	479.220	479.018	478.863	478.569	478.483	478.566	26
27	478.807	478.742	478.686	479.017	479.242	479.106	479.218	479.017	478.849	478.562	478.488	478.570	27
28	478.810	478.737	478.685	479.028	479.228	479.106	479.211	479.016	478.848	478.558	478.483	478.575	28
29	478.811		478.684	479.033	479.207	479.108	479.202	479.011	478.839	478.548	478.485	478.577	29
30	478.800		478.683	479.038	479.185	479.106	479.200	479.010	478.833	478.546	478.500	478.578	30
31	478.810		478.683		479.178		479.186	479.011		478.544		478.582	31
MEAN	478.818	478.788	478.711	478.822	479.168	479.106	479.182	479.076	478.938	478.686	478.513	478.545	MEAN
MAX	478.835	478.816	478.748	479.038	479.260	479.183	479.242	479.182	479.066	478.835	478.541	478.582	MAX
MIN	478.803	478.737	478.683	478.673	479.054	479.080	479.106	479.010	478.833	478.544	478.480	478.500	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MEAN, 478.880
MAXIMUM DAILY, 479.260 ON MAY 23
MINIMUM DAILY, 478.483 ON NOV 27
MAXIMUM INSTANTANEOUS,
479.265 AT 10:30 CST ON MAY 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 47 38 N
LONG 103 52 10 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SKAPO CREEK NEAR MARIEVAL - STATION NO. 05JM010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	2.56	0.220	0.088	0.005	0	0	---	---	1
2	---	---	0B	0 B	2.21	0.188	0.017	0.005	0	0	---	---	2
3	---	---	0B	0 B	1.81	0.186	0.028	0.005	0.001	0.001	---	---	3
4	---	---	0B	0 B	1.45	0.171	0.018	0.005	0.001	0	---	---	4
5	---	---	0B	0 B	1.28	0.152	0.011	0.005	0.001	0	---	---	5
6	---	---	0B	0 B	1.05	0.134	0.030	0.0082E	0.001	0	---	---	6
7	---	---	0B	0.0030	0.940	0.128	0.074	0.0083E	0.001	0	---	---	7
8	---	---	0B	0.0228	0.838	0.130	0.088	0.0044E	0.001	0	---	---	8
9	---	---	0B	0.0208	0.792	0.114	0.063	0.0040E	0.002	0	---	---	9
10	---	---	0B	0.0148	0.703	0.108	0.080	0.0038E	0.001	0.001	---	---	10
11	---	---	0B	0.0108	0.730	0.084	0.183	0.0033E	0.001	0.001	---	---	11
12	---	---	0B	0.0038	0.888	0.077	0.123	0.0032E	0.001	0	---	---	12
13	---	---	0B	0.0038	0.831	0.122	0.118	0.0028E	0	0	---	---	13
14	---	---	0B	0.0018	0.880	0.148	0.101	0.0028E	0	0	---	---	14
15	---	---	0B	0.0018	0.882	0.123	0.073	0.0032E	0	0	---	---	15
16	---	---	0B	0.0018	0.887	0.101	0.083	0.0028E	0	0	---	---	16
17	---	---	0B	0.0018	0.882	0.084	0.080	0.0028E	0	0	---	---	17
18	---	---	0B	0.0018	0.838	0.081	0.038	0.0028E	0	0	---	---	18
19	---	---	0B	5.00 B	0.784	0.080	0.021	0.0018E	0	0	---	---	19
20	---	---	0B	9.18 B	0.783	0.044	0.027	0.0018E	0	0	---	---	20
21	---	---	0B	16.8	0.758	0.031	0.063	0.0018E	0	0	---	---	21
22	---	---	0B	18.1	0.688	0.031	0.037	0.0018E	0	0.001	---	---	22
23	---	---	0B	15.6	0.586	0.024	0.022	0.0018A	0	0.001	---	---	23
24	---	---	0B	12.1	0.546	0.021	0.015	0.001	0	0	---	---	24
25	---	---	0B	9.06	0.463	0.028	0.013	0	0	0	---	---	25
26	---	---	0B	7.28	0.288	0.010	0.010	0	0	0	---	---	26
27	---	---	0B	5.83	0.341	0.011	0.008	0	0	0	---	---	27
28	---		0B	4.88	0.278	0.007	0.008	0	0	0.001	---	---	28
29	---		0B	3.83	0.287	0.008	0.008	0	0	0.001	---	---	29
30	---		0B	3.18	0.316	0.006	0.006	0	0	0.001	---	---	30
31	---		0B		0.288		0.005	0		0.001		---	31
TOTAL	---	---	0	106.227	28.028	2.622	1.384	0.072	0.011	0.009	---	---	TOTAL
MEAN	---	---	0	3.56	0.840	0.087	0.044	0.002	0	0	---	---	MEAN
MAX	---	---	0	18.1	2.56	0.220	0.183	0.008	0.002	0.001	---	---	MAX
MIN	---	---	0	0	0.287	0.006	0.004	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.337
MAXIMUM DAILY, 18.1 ON APR 22
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
17.5 AT 10:25 CST ON APR 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 31 07 N
LONG 102 42 27 W
DRAINAGE AREA, 1 100 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	117
FEB	---	AUG	6.22
MAR	0	SEP	0.95
APR	9 180	OCT	0.78
MAY	2 250	NOV	---
JUN	227	DEC	---

TOTAL DISCHARGE, 11 800 dam³

ELBOW DIVERSION CANAL AT DROP STRUCTURE - STATION NO. 05JG006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.340	1.290	1.26	0.065	0.083	1.45	3.02	3.00	3.07	1.50	1.47	1.500	1
2	1.340	1.290	1.26	0.040	0.087	1.47	3.06	2.79	3.07	1.49	1.43	1.500	2
3	1.330	1.290	1.25	0.040	0.082	1.47	3.05	2.79	3.06	1.52	1.46	1.500	3
4	1.330	1.290	1.26	0.020	0.066	1.48	2.79	2.78	3.05	1.50	1.47	1.500	4
5	1.330	1.290	1.27	0.121	0.087	1.48	3.08	2.73	3.07	1.48	1.47	1.500	5
6	1.330	1.290	1.26	0.080	0.414	1.50	3.08	2.72	3.02	1.48	1.48	1.500	6
7	1.330	1.290	1.25	0.082	0.350	1.51	2.79	2.72	3.02	1.49	1.48	1.500	7
8	1.320	1.290	1.24	0.080	0.060	1.52	2.34	2.87	3.03	1.49	1.49	1.500	8
9	1.320	1.290	1.25	0.081	1.04	1.52	1.10	3.00	3.04	1.50	1.52	1.500	9
10	1.330	1.290	1.26	0.081	1.16	1.53	1.08	3.07	3.08	1.49	1.51	1.500	10
11	1.330	1.280	1.26	0.114	1.01	1.54	1.05	3.05	3.02	1.48	1.47	1.490	11
12	1.320	1.280	1.27	0.083	1.01	1.57	1.03	2.70	3.02	1.48	1.48	1.490	12
13	1.330	1.280	1.26	0.080	1.00	2.52	1.05	3.08	3.02	1.48	1.45	1.490	13
14	1.330	1.280	1.23	0.083	0.354	3.00	1.05	3.04	3.06	1.48	1.49	1.490	14
15	1.330	1.280	0.731	0.081	0.080	3.00	1.08	3.07	3.06	1.48	1.50	1.490	15
16	1.310	1.280	0.077	0.082	0.354	2.61	1.05	3.08	3.07	1.48	1.48	1.490	16
17	1.310	1.280	0.071	0.083	0.383	3.09	1.06	3.09	3.06	1.47	1.49	1.490	17
18	1.310	1.280	0.083	0.084	1.01	3.07	1.07	3.08	3.05	1.46	1.48	1.490	18
19	1.310	1.28	0.080	0.087	1.01	3.06	0.881	3.05	3.06	1.46	1.48	1.490	19
20	1.310	1.27	0.083	0.082	1.01	3.06	0.084	3.02	3.00	1.47	1.48	1.490	20
21	1.310	1.28	0.083	0.082	1.01	3.06	0.467	3.02	3.00	1.46	1.48	1.480	21
22	1.310	1.27	0.084	0.082	1.02	3.06	2.42	3.03	3.07	1.47	1.48	1.480	22
23	1.310	1.30	0.083	0.083	1.01	3.07	2.78	3.03	3.06	1.48	1.48	1.480	23
24	1.310	1.29	0.080	0.082	1.01	3.08	2.76	3.03	3.07	1.46	1.48	1.480	24
25	1.300	1.30	0.062	0.087	1.02	3.02	2.81	3.03	3.06	1.51	1.48	1.480	25
26	1.300	1.29	0.051	0.081	1.02	2.81	3.02	3.04	3.08	1.47	1.47	1.480	26
27	1.300	1.28	0.073	0.087	1.02	3.02	3.03	3.03	3.08	1.48	1.48	1.480	27
28	1.300	1.28	0.080	0.080	1.02	3.02	3.03	3.04	3.08	1.49	1.48	1.480	28
29	1.300		0.067	0.080	1.01	2.81	3.05	3.05	2.83	1.47	1.48	1.480	29
30	1.300		0.080	0.050	1.01	3.02	3.07	3.05	1.58	1.48	1.500	1.470	30
31	1.300		0.084		1.16		3.04	3.07		1.48		1.470	31
TOTAL	40.78	35.58	15.440	1.888	28.110	81.84	75.772	114.00	106.62	45.95	44.37	45.15	TOTAL
MEAN	1.32	1.28	0.627	0.067	0.842	2.72	2.46	3.08	3.05	1.48	1.48	1.48	MEAN
MAX	1.34	1.30	1.28	0.121	1.16	3.02	3.07	3.08	3.08	1.52	1.52	1.50	MAX
MIN	1.30	1.28	0.084	0.020	0.082	1.45	0.084	3.02	1.58	1.46	1.43	1.47	MIN

SUMMARY FOR THE YEAR 1983

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.75
MAXIMUM DAILY, 3.07 ON JUL 30
MINIMUM DAILY, 0.020 ON APR 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 58 60 N
LONG 106 22 55 W

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	3 520	JUL	6 630
FEB	3 110	AUG	9 880
MAR	1 660	SEP	9 210
APR	167	OCT	3 970
MAY	2 280	NOV	3 830
JUN	7 850	DEC	3 900

TOTAL DISCHARGE, 55 300 dam³

EMMA LAKE NEAR TWEEDSMUIR - STATION NO. 05GE005

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	515.582E	515.580	515.540E	515.456E	515.480E	515.466E	---	1
2	---	---	---	---	---	515.570E	515.573E	515.543E	515.495	515.487E	515.466E	---	2
3	---	---	---	---	---	515.560	515.577E	515.541E	515.490E	515.486E	515.480E	---	3
4	---	---	---	---	---	515.566E	515.581E	515.528E	515.482E	515.483E	515.471	---	4
5	---	---	---	---	---	515.573E	515.585E	515.525	515.486E	515.482E	515.469E	---	5
6	---	---	---	---	---	515.570E	515.580E	515.520E	515.489E	515.480E	515.468E	---	6
7	---	---	---	---	---	515.565E	515.592E	515.506E	515.473E	515.476	515.466E	---	7
8	---	---	---	---	---	515.561E	515.590	515.488E	515.476E	515.477E	515.464E	---	8
9	---	---	---	---	---	515.560	515.584E	515.473E	515.480	515.476E	515.463E	---	9
10	---	---	---	---	---	515.566E	515.583E	515.487E	515.481E	515.475E	515.461	---	10
11	---	---	---	---	---	515.564E	515.580E	515.441E	515.482E	515.474E	515.463E	---	11
12	---	---	---	---	---	515.563E	515.587E	515.429	515.483E	515.473E	515.464E	---	12
13	---	---	---	---	515.640	515.560E	515.585E	515.434E	515.484E	515.472E	515.468E	---	13
14	---	---	---	---	515.644E	515.566E	515.583E	515.442E	515.485E	515.471	515.467E	---	14
15	---	---	---	---	515.646E	515.568E	515.580	515.450E	515.487E	515.470E	515.468E	---	15
16	---	---	---	---	515.645E	515.564E	515.579E	515.456E	515.488	515.469E	515.470E	---	16
17	---	---	---	---	515.643E	515.562	515.578E	515.467E	515.488E	515.468E	515.472E	---	17
18	---	---	---	---	515.642E	515.560E	515.578E	515.479E	515.488E	515.468E	515.473	---	18
19	---	---	---	---	515.640E	515.549E	515.578E	515.463	515.488E	515.467E	---	---	19
20	---	---	---	---	515.630	515.533E	515.577E	515.477E	515.488E	515.466E	---	---	20
21	---	---	---	---	515.630E	515.517E	515.578E	515.479E	515.491E	515.466E	---	---	21
22	---	---	---	---	515.630E	515.501E	515.576	515.464E	515.491E	515.465E	---	---	22
23	---	---	---	---	515.630E	515.485E	515.573E	515.487	515.492	515.464E	---	---	23
24	---	---	---	---	515.630E	515.469	515.570E	515.486E	515.492E	515.463E	---	---	24
25	---	---	---	---	515.630E	515.463E	515.566E	515.488E	515.491E	515.463E	---	---	25
26	---	---	---	---	515.630E	515.487E	515.563E	515.488	515.491E	515.462	---	---	26
27	---	---	---	---	515.630	515.512E	515.560E	515.485E	515.491E	515.460E	---	---	27
28	---	---	---	---	515.620E	515.526E	515.557E	515.486E	515.491E	515.459	---	---	28
29	---		---	---	515.610E	515.541E	515.554	515.457E	515.490E	515.461E	---	---	29
30	---		---	---	515.600E	515.558E	515.551E	515.457E	515.490	515.462E	---	---	30
31	---		---		515.593E		515.546E	515.456E		515.464E		---	31
MEAN	---	---	---	---	---	515.585	515.576	515.476	515.482	515.471	---	---	MEAN
MAX	---	---	---	---	---	515.593	515.586	515.540	515.492	515.489	---	---	MAX
MIN	---	---	---	---	---	515.469	515.546	515.429	515.456	515.459	---	---	MIN

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 34 10 N
LONG 105 53 15 W
DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

ENGLISHMAN RIVER NEAR SPRUCE LAKE - STATION NO. 05EF005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0880B	1.28 B	0.200	0.085	0.587	0.078	0.005	0.142	0.190A	---	1
2	---	---	0.0880B	1.50 B	0.181	0.082	0.559	0.193	0.005	0.113	---	---	2
3	---	---	0.0880B	1.43 B	0.179	0.084	0.557	0.104	0.006	0.123	---	---	3
4	---	---	0.0880B	1.56 B	0.166	0.082	0.487	0.160	0.004	0.133	---	---	4
5	---	---	0.0900B	1.55 B	0.155	0.072	0.381	0.127	0.028	0.117	---	---	5
6	---	---	0.0900B	1.57 B	0.158	0.084	0.351	0.088	0.038	0.112	---	---	6
7	---	---	0.0900B	1.28 B	0.153	0.080	0.287	0.053	0.038	0.123	---	---	7
8	---	---	0.0900B	0.559B	0.163	0.079	0.302	0.032	0.058	0.129	---	---	8
9	---	---	0.0900B	1.01 B	0.135	0.083	0.333	0.017	0.103	0.130	---	---	9
10	---	---	0.0800B	0.917B	0.141	0.070	0.411	0.008	0.121	0.118	---	---	10
11	---	---	0.0800B	0.687E	0.118	0.055	0.285	0.068	0.111	0.107	---	---	11
12	---	---	0.0810B	0.554A	0.108	0.048	0.262	0.036	0.128	0.114	---	---	12
13	---	---	0.0830B	0.581	0.107	0.085	0.313	0.030	0.008	0.128	---	---	13
14	---	---	0.0830B	0.508	0.080	0.044	0.277	0.028	0.111	0.148	---	---	14
15	---	---	0.0830B	0.524	0.108	0.034	0.238	0.028	0.173	0.160	---	---	15
16	---	---	0.0830B	0.445	0.088	0.030	0.234	0.008	0.282	0.098	---	---	16
17	---	---	0.0830B	0.439	0.108	0.024	0.230	0.043	0.341	0.137	---	---	17
18	---	---	0.0830B	0.480	0.123	0.030	0.231	0.049	0.330	0.152	---	---	18
19	---	---	0.0830B	0.492	0.123	0.035	0.211	0.053	0.262	0.163	---	---	19
20	---	---	0.0830B	0.508	0.142	0.028	0.180	0.050	0.317	0.144	---	---	20
21	---	---	0.0830B	0.483	0.180	0.018	0.220	0.042	0.253	0.138	---	---	21
22	---	---	0.0830B	0.459	0.288	0.011	0.218	0.038	0.212	0.147	---	---	22
23	---	---	0.0840B	0.432	0.207	0.007	0.198	0.043	0.181	0.156	---	---	23
24	---	---	0.0850B	0.401	0.203	0.134	0.188	0.051	0.212	0.173	---	---	24
25	---	---	0.0880B	0.385	0.306	0.212	0.180	0.047	0.188	0.203	---	---	25
26	---	---	0.0880B	0.357	0.187	0.220	0.158	0.040	0.179	0.204	---	---	26
27	---	---	0.1000B	0.332A	0.168	0.250	0.128	0.019	0.105	0.208	---	---	27
28	---	---	0.1030B	0.201A	0.155	0.235	0.118	0.013	0.177	0.201	---	---	28
29	---		0.1100B	0.287	0.117	0.281	0.108	0.011	0.172	0.153	---	---	29
30	---		0.1300B	0.221	0.103	0.380	0.100	0.009	0.158	0.153	---	---	30
31	---		0.3600B		0.093		0.088	0.008		0.152		---	31
TOTAL	---	---	3.182	21.973	4.631	3.183	8.639	1.478	4.534	4.461	---	---	TOTAL
MEAN	---	---	0.103	0.732	0.149	0.163	0.278	0.048	0.151	0.144	---	---	MEAN
MAX	---	---	0.360	1.57	0.307	0.380	0.587	0.180	0.382	0.208	---	---	MAX
MIN	---	---	0.080	0.221	0.093	0.011	0.088	0.008	0.004	0.098	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.212
MAXIMUM DAILY, 1.570 ON APR 6
MINIMUM DAILY, 0.004 ON SEP 4
MAXIMUM INSTANTANEOUS,
2.340 AT 08:55 CST ON APR 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 24 32 N
LONG 109 06 25 W
DRAINAGE AREA, 393 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	746
FEB	---	AUG	128
MAR	275	SEP	392
APR	1 900	OCT	385
MAY	400	NOV	---
JUN	288	DEC	---

TOTAL DISCHARGE, 4 480 dam³

ETOMAMI RIVER NEAR BERTWELL - STATION NO. 05LB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0720B	0.1380B	12.8	3.37	1.12	4.72	0.126	0.158E	0.250A	---	1
2	---	---	0.0720B	0.1400B	12.5	3.18A	1.68	4.21	0.108	0.167E	---	---	2
3	---	---	0.0730B	0.1410B	11.4	3.00E	5.24	3.81	0.085	0.165E	---	---	3
4	---	---	0.0720B	0.1420B	10.1	2.80E	14.8	3.48	0.051	0.146A	---	---	4
5	---	---	0.0740B	0.1430B	9.90	2.80E	17.5	2.94	0.118	0.138	---	---	5
6	---	---	0.0740B	0.1440B	8.60	3.00E	16.7	2.51	0.163	0.184	---	---	6
7	---	---	0.0750B	0.1450B	6.80	3.80E	13.1	2.15	0.108	0.246	---	---	7
8	---	---	0.0760B	0.1460B	6.22	4.80E	10.1	1.83	0.088	0.380	---	---	8
9	---	---	0.0750B	0.1460B	5.61	4.20E	8.17	1.67	0.158	0.328	---	---	9
10	---	---	0.0760B	0.1500B	5.72	3.80E	7.68	1.48	0.104	0.281	---	---	10
11	---	---	0.0760B	0.1520B	7.56	3.40E	8.73	1.21	0.139	0.384	---	---	11
12	---	---	0.0770B	0.1600B	8.07	3.20E	12.1	0.978	0.118	0.448	---	---	12
13	---	---	0.0770B	0.1850B	8.73	5.00E	14.0	0.786	0.176	0.485	---	---	13
14	---	---	0.0770B	0.1280B	8.43	6.80E	14.2	0.687	0.148	0.487	---	---	14
15	---	---	0.0780B	0.1440B	8.67	6.40E	13.8	0.487	0.132	0.333	---	---	15
16	---	---	0.0780B	0.1600B	9.64	5.80E	18.7	0.435	0.127	0.381	---	---	16
17	---	---	0.0780B	0.1800B	10.3	5.00E	20.9	0.303	0.100	0.220	---	---	17
18	---	---	0.0780B	0.2640B	11.0	4.40E	18.8	0.238	0.147	0.148	---	---	18
19	---	---	0.0780B	0.2810B	11.4	3.80E	16.8	0.235	0.116	0.212	---	---	19
20	---	---	0.0800B	1.13 B	10.8	3.60E	12.3	0.205	0.084	0.234	---	---	20
21	---	---	0.0810B	2.31 B	10.2	3.20E	11.3	0.220	0.076	0.248	---	---	21
22	---	---	0.0820B	12.3 B	10.3	2.90E	10.8	0.216	0.143	0.288	---	---	22
23	---	---	0.0840B	44.0 B	9.85	2.60E	9.23	0.178	0.193	0.294	---	---	23
24	---	---	0.0880B	53.1	9.02	2.20E	7.88	0.204	0.173	0.268	---	---	24
25	---	---	0.0880B	45.8	8.21	2.00E	6.81	0.246	0.185	0.270	---	---	25
26	---	---	0.1040B	30.7	7.30	1.88E	7.07	0.370	0.153	0.277	---	---	26
27	---	---	0.1120B	18.7	7.63	1.70E	6.87	0.247	0.156	0.241	---	---	27
28	---	---	0.1200B	14.3	6.10E	1.62A	7.58	0.227	0.140A	0.184	---	---	28
29	---		0.1280B	11.8	5.20E	1.20	6.61	0.270	0.170E	0.208	---	---	29
30	---		0.1340B	12.3	4.80E	1.16	5.73	0.226	0.172E	0.188	---	---	30
31	---		0.1380B		3.81A		5.22	0.186		0.247		---	31
TOTAL	---	---	2.686	249.847	266.43	102.02	335.95	37.297	4.086	7.988	---	---	TOTAL
MEAN	---	---	0.087	8.33	8.59	3.40	10.8	1.20	0.137	0.257	---	---	MEAN
MAX	---	---	0.138	53.1	12.8	6.80	20.9	4.72	0.193	0.487	---	---	MAX
MIN	---	---	0.072	0.138	3.81	1.16	1.12	0.186	0.051	0.138	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.11
MAXIMUM DAILY, 53.1 ON APR 24
MINIMUM DAILY, 0.051 ON SEP 4
MAXIMUM INSTANTANEOUS,
54.2 AT 03:00 CST ON APR 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 35 30 N
LONG 102 23 10 W
DRAINAGE AREA, 2 050 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	29 000
FEB	---	AUG	3 220
MAR	232	SEP	354
APR	21 600	OCT	684
MAY	23 000	NOV	---
JUN	8 810	DEC	---

TOTAL DISCHARGE, 88 900 dam³

BYEHILL CREEK NEAR MACKLIN - STATION NO. 05AA007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0 1988	0 0128	0	0 001	0 107	0	0	---	---	1
2	---	---	0 B	0 1748	0 0078	0	0 001	0 103	0	0	---	---	2
3	---	---	0 B	0 2198	0 0048	0	0 002	0 088	0	0	---	---	3
4	---	---	0 B	0 4088	0 003E	0	0 000	0 087	0	0	---	---	4
5	---	---	0 B	0 3098	0 002E	0	0 521	0 045	0	0	---	---	5
6	---	---	0 B	0 4888	0 002E	0	0 535	0 030	0	0	---	---	6
7	---	---	0 B	1 48	0 001E	0	0 534	0 022	0	0	---	---	7
8	---	---	0 B	0 858	0 001E	0	0 521	0 017	0	0	---	---	8
9	---	---	0 B	0 814	0 001E	0	0 488	0 015	0 002	0	---	---	9
10	---	---	0 B	0 700	0 001A	0	0 484	0 012	0 006	0	---	---	10
11	---	---	0 B	0 380	0 001	0	0 420	0 010	0 007	0	---	---	11
12	---	---	0 B	0 007	0 001	0	0 381	0 007	0 007	0	---	---	12
13	---	---	0 B	0 002	0 001	0	0 383	0 010	0 006	0	---	---	13
14	---	---	0 B	0 002	0 001	0	0 218	0 036	0 006	0	---	---	14
15	---	---	0 B	0 002	0 001	0	0 181	0 017	0 006	0	---	---	15
16	---	---	0 B	0 002	0 001	0	0 153	0 008	0 004	0	---	---	16
17	---	---	0 0048	0 003	0 001	0	0 141	0 003	0 003	0	---	---	17
18	---	---	0 0108	0 070	0 001	0	0 121	0 001	0	0	---	---	18
19	---	---	0 0188	0 161	0 001	0 001	0 100	0 002	0	0	---	---	19
20	---	---	0 0348	0 130	0 001	0	0 079	0	0	0	---	---	20
21	---	---	0 0418	0 123	0 001	0	0 174	0	0	0	---	---	21
22	---	---	0 0488	0 113	0 001	0	0 204	0	0	0	---	---	22
23	---	---	0 0518	0 100	0 001	0	0 253	0	0	0	---	---	23
24	---	---	0 0588	0 088	0 001	0	0 281	0	0	0	---	---	24
25	---	---	0 0678	0 078	0 002	0	0 277	0	0	0	---	---	25
26	---	---	0 0618	0 068	0 002	0	0 247	0	0	0	---	---	26
27	---	---	0 0888	0 059A	0	0	0 212	0	0	0	---	---	27
28	---	---	0 0928	0 048E	0	0	0 180	0	0	0	---	---	28
29	---		0 1068	0 034E	0	0	0 154	0	0	0	---	---	29
30	---		0 1588	0 021E	0	0	0 138	0	0	0	---	---	30
31	---		0 2488		0		0 118	0		0		---	31
TOTAL	---	---	1 103	7 211	0 052	0 001	7 481	0 805	0 046	0	---	---	TOTAL
MEAN	---	---	0 036	0 240	0 002	0	0 241	0 026	0 002	0	---	---	MEAN
MAX	---	---	0 348	1 48	0 012	0 001	0 535	0 107	0 006	0	---	---	MAX
MIN	---	---	0	0 002	0	0	0 001	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0 087
MAXIMUM DAILY, 1 48 ON APR 7
MINIMUM DAILY, 00 ON MAR 1
MAXIMUM INSTANTANEOUS,
2 03 AT 23 27 CST ON APR 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 19 08 N
LONG 108 05 41 W
DRAINAGE AREA, 10 100 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	645
FEB	---	AUG	82 3
MAR	85 3	SEP	4 15
APR	623	OCT	0
MAY	4 69	NOV	---
JUN	0 99	DEC	---

TOTAL DISCHARGE, 1 430 dam³

PAHLMAN CREEK NEAR DAVIN - STATION NO. 05JF006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0 0498	0 0018	0	0 001	0 018	0	0 001	0 001	---	1
2	---	---	0 B	0 0588	0 001A	0	0 001	0 008	0	0 001	0 001A	---	2
3	---	---	0 B	0 0438	0	0	0 001	0 006	0	0 001	---	---	3
4	---	---	0 B	0 0388	0	0	0 001	0 004	0	0 001	---	---	4
5	---	---	0 B	0 0398	0	0	0	0 003	0	0 001	---	---	5
6	---	---	0 B	0 0488	0	0	0	0 002	0	0 001	---	---	6
7	---	---	0 B	0 0788	0	0	0 002	0 001	0	0 001	---	---	7
8	---	---	0 B	0 1528	0	0	0 001	0 001	0	0 001	---	---	8
9	---	---	0 B	0 148	0 001	0	0 041	0 001	0 002	0 001	---	---	9
10	---	---	0 B	0 080A	0 003	0	0 787	0 001	0	0 001	---	---	10
11	---	---	0 B	0 057A	0 001	0	0 571	0 001	C 001	0 001	---	---	11
12	---	---	0 B	0 183	0	0 002	0 186	0	0 001	0 001	---	---	12
13	---	---	0 B	0 197	0 024	0 001	0 053	0	0 001	0 001	---	---	13
14	---	---	0 B	0 131	0 006	0	0 017	0	0 001	0 001	---	---	14
15	---	---	0 B	0 108	0 006	0	0 007	0	0 001	0 001	---	---	15
16	---	---	0 B	0 114	0 007	0	0 140	0	0 001	0 001	---	---	16
17	---	---	0 B	0 102A	0 006	0	0 057	0	0	0 001	---	---	17
18	---	---	0 B	0 516	0 007	0	0 018	0	0	0 001	---	---	18
19	---	---	0 B	0 448	0 006	0 001	0 008	0	0	0 001	---	---	19
20	---	---	0 B	0 137	0 003	0	0 248	0	0	0 001	---	---	20
21	---	---	0 B	0 107	0 003	0	1 07	0	0	0 001	---	---	21
22	---	---	0 B	0 081A	0 002	0	0 418	0	0	0 001	---	---	22
23	---	---	0 B	0 068E	0 003	0	0 117	0	0	0 001	---	---	23
24	---	---	0 B	0 032E	0 002	0	0 032	0	0	0 001	---	---	24
25	---	00	0 0018	0 015E	0 001	0	0 013	0	0	0 001	---	---	25
26	---	00	0 0018	0 006E	0 001	0	0 006	0	0	0 001	---	---	26
27	---	00	0 B	0 004E	0 001	0	0 006	0	0	0 001	---	---	27
28	---	00	0 B	0 003E	0	0	0 003	0	0	0 001	---	---	28
29	---		0 B	0 003E	0	0	0 231	0	0	0 001	---	---	29
30	---		0 002E	0 002E	0	0	0 204	0	0 001	0 001	---	---	30
31	---		0 0018		0		0 064	0		0 001		---	31
TOTAL	---	---	0 005	3 051	0 055	0 004	5 541	0 044	0 009	0 031	---	---	TOTAL
MEAN	---	---	0	0 102	0 002	0	0 179	0 001	0	0 001	---	---	MEAN
MAX	---	---	0 002	0 516	0 009	0 002	1 07	0 018	0 002	0 001	---	---	MAX
MIN	---	---	0	0 002	0	0	0	0	0	0 001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0 029
MAXIMUM DAILY, 1 07 ON JUL 21
MINIMUM DAILY, 00 ON MAR 1
MAXIMUM INSTANTANEOUS,
4 20 AT 23:04 CST ON JUL 20

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 23 10 N
LONG 104 11 30 W
DRAINAGE AREA, 10 3 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	478
FEB	---	AUG	3 00
MAR	0 43	SEP	0 72
APR	264	OCT	2 05
MAY	0 79	NOV	---
JUN	0 35	DEC	---

TOTAL DISCHARGE, 787 dam³

PIPE LAKE NEAR LISIEUX - STATION NO 11AB016

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	801.348	801.4482	801.4882	801.4806	801.3606	801.3882	801.1382	801.084	801.036	---	1
2	---	---	801.3906	801.4538	801.483	801.4882	801.339	801.3835	801.1382	801.0972	801.0288	---	2
3	---	---	801.3912	801.4906	801.4918	801.4518	801.3328	801.2788	801.138	801.0878	801.0288	---	3
4	---	---	801.3828	801.4878	801.4906	801.446	801.3288	801.2808	801.1368	801.0888	801.0258	---	4
5	---	---	801.3846	801.4732	801.4582	801.4428	801.3288	801.2838	801.1282	801.0882	801.024	---	5
6	---	---	801.3882	801.480	801.4878	801.4488	801.3318	801.294	801.1182	801.0888	801.0228	---	6
7	---	---	801.3878	801.4908	801.486	801.4278	801.3178	801.2478	801.1128	801.084	801.0228	---	7
8	---	---	801.3588	801.4818	801.4582	801.4368	801.3148	801.2388	801.1078	801.0828	801.0228	---	8
9	---	---	801.3606	801.481	801.4828	801.4318	801.3108	801.2388	801.1038	801.0828	801.0228	---	9
10	---	---	801.382	801.4818	801.4068	801.438	801.3306	801.2328	801.098	801.0618	801.0218	---	10
11	---	---	801.3858	801.4828	801.4878	801.4328	801.389	801.2136	801.0948	801.0306	801.0218	---	11
12	---	---	801.3888	801.4838	801.4788	801.4178	801.3868	801.3088	801.091	801.0488	801.039	---	12
13	---	---	801.3728	801.4838	801.4728	801.4118	801.3588	801.198	801.0918	801.0488	801.0288	---	13
14	---	---	801.3768	801.4838	801.476	801.4068	801.3538	801.1828	801.0918	801.0478	801.0288	---	14
15	---	---	801.3798	801.4348	801.4788	801.4068	801.3518	801.1878	801.0918	801.048	801.0288	---	15
16	---	---	801.3828	801.484	801.4828	801.3968	801.348	801.1828	801.091	801.0488	801.0288	---	16
17	---	801.398	801.3888	801.4848	801.4868	801.3888	801.3468	801.1788	801.0878	801.0438	801.0288	---	17
18	---	801.3958	801.3888	801.4848	801.4678	801.383	801.346	801.1788	801.0828	801.0428	801.0288	---	18
19	---	801.3888	801.3828	801.4848	801.4908	801.3818	801.3428	801.1788	801.0788	801.0408	801.0288	---	19
20	---	801.3958	801.3958	801.4848	801.4838	801.3788	801.3378	801.185	801.0708	801.0388	801.0288	---	20
21	---	801.3958	801.3958	801.4848	801.486	801.3788	801.3328	801.1858	801.0888	801.0378	801.0282	---	21
22	---	801.3148	801.4038	801.4848	801.4828	801.3728	801.3288	801.1828	801.0888	801.039	801.0282	---	22
23	---	801.3108	801.4038	801.484	801.4868	801.3718	801.3288	801.1828	801.0888	801.0388	801.0282	---	23
24	---	801.3348	801.4088	801.4828	801.4868	801.3688	801.3288	801.1808	801.088	801.0338	801.0282	---	24
25	---	801.3288	801.4138	801.4828	801.4828	801.398	801.318	801.1888	801.0888	801.0338	801.0282	---	25
26	---	801.3348	801.4188	801.4818	801.4808	801.3818	801.3138	801.1678	801.0848	801.0288	801.030	---	26
27	---	801.3388	801.4188	801.4788	801.4788	801.3568	801.3108	801.158	801.0828	801.0288	---	---	27
28	---	801.3438	801.4238	801.4788	801.473	801.351	801.3078	801.1488	801.081	801.0278	---	---	28
29	---	---	801.426	801.4778	801.4708	801.3478	801.3048	801.1428	801.0528	801.028	---	---	29
30	---	---	801.4328	801.476	801.4808	801.3448	801.301	801.138	801.0588	801.0288	---	---	30
31	---	---	801.4868		801.488		801.3988	801.1388		801.0388		---	31
MEAN	---	---	801.388	801.474	801.474	801.401	801.328	801.187	801.086	801.043	---	---	MEAN
MAX	---	---	801.488	801.484	801.488	801.488	801.388	801.388	801.138	801.088	---	---	MAX
MIN	---	---	801.348	801.448	801.488	801.388	801.288	801.138	801.081	801.028	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 801.488 ON MAY 31

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 16 22 N
LONG 106 50 55 W

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

PIN RIVER NEAR HUDSON BAY - STATION NO 05LB007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.1028	0.0918	0.1232	0.1148	4.41	3.00	2.82	1.83	0.457	4.78	1.25	0.7918	1
2	0.1048	0.0888	0.1288	0.1148	4.58	3.88	3.85	1.78	0.418	4.11	1.23	0.8118	2
3	0.1058	0.0848	0.1328	0.1128	4.65	4.85	3.93	1.85	0.385	3.84	1.27	0.8448	3
4	0.1068	0.0888	0.1358	0.1138	4.62	5.81	14.8	1.63	0.315	3.29	1.48	0.8188	4
5	0.1078	0.0768	0.1388	0.1138	4.29	12.1	14.4	1.35	0.344	2.98	1.47	0.7968	5
6	0.1078	0.0728	0.1408	0.1138	4.28	13.1	12.8	1.13	0.561	3.02	1.52	0.8888	6
7	0.1072	0.0888	0.1438	0.1158	4.14	14.1	11.8	1.02	0.838	2.83	1.61	0.7458	7
8	0.1082	0.0888	0.1448	0.1178	3.76	13.7	8.76	0.858	1.38	2.74	1.86	0.7018	8
9	0.1082	0.0848	0.1458	0.1388	3.88	10.8	7.18	0.787	1.24	2.62	1.83	0.8198	9
10	0.1088	0.0838	0.1488	0.1248	4.88	8.88	6.35	0.888	1.84	2.42	1.88	0.7388	10
11	0.1088	0.0818	0.1488	0.1328	4.88	7.88	5.86	0.821	3.13	3.38	1.85	0.8888	11
12	0.1088	0.0888	0.1488	0.1488	3.81	7.13	7.21	0.878	4.38	3.28	1.88	0.4788	12
13	0.1088	0.0838	0.1448	0.1888	3.88	7.88	6.84	0.828	4.28	3.13	1.78	0.4188	13
14	0.1188	0.0888	0.1438	0.1888	4.88	10.3	5.83	0.882	3.88	3.82	1.88	0.4648	14
15	0.1188	0.0838	0.1438	0.2388	4.21	12.8	5.73	1.83	3.85	1.88	1.84	0.8648	15
16	0.1188	0.0858	0.1418	0.2888	4.18	13.8	5.48	1.22	3.18	1.88	1.88	0.8878	16
17	0.1888	0.0888	0.1488	0.2588	4.88	13.7	7.83	1.83	3.88	1.87	1.88	0.3838	17
18	0.1888	0.0728	0.1388	0.2588	4.58	13.8	7.88	0.878	3.87	1.82	1.88	0.3888	18
19	0.1888	0.0788	0.1388	0.2388	5.78	8.88	7.84	0.842	4.87	1.42	1.88	0.3718	19
20	0.1878	0.0888	0.1338	1.778	5.85	7.48	6.38	0.838	7.78	1.78	1.39 E	0.1138	20
21	0.1888	0.0848	0.1288	5.88 E	5.88	6.38	5.38	0.858	18.1	1.77	1.18 E	0.0848	21
22	0.1858	0.0828	0.1278	12.7 E	5.88	6.81	5.87	0.818	13.2	1.87	1.82 E	0.1288	22
23	0.1848	0.0838	0.1248	8.88 E	5.83	5.71	5.35	0.788	13.8	1.84	1.85 E	0.1388	23
24	0.1838	0.0888	0.1238	7.83 E	5.26	4.37	6.82	0.888	13.5	1.48	1.87 E	0.1488	24
25	0.1828	0.1888	0.1288	6.78 E	5.84	3.88	3.87	0.832	12.3	1.48	1.83 E	0.1888	25
26	0.1818	0.1858	0.1188	6.28	5.82	3.36	3.48	0.882	10.5	1.82	1.88 E	0.1138	26
27	0.1888	0.1188	0.1178	8.18	4.84	3.88	3.14	0.888	8.82	1.88	1.88 E	0.1728	27
28	0.0838	0.1178	0.1168	5.38	4.17	3.88	3.78	0.848	7.47	1.43	1.18 E	0.1888	28
29	0.0888		0.1188	4.48	3.77	3.37	3.48	0.888	6.42	1.38	0.8748	0.2438	29
30	0.0888		0.1158	4.38	3.42	3.13	3.28	0.487	5.48	1.38	0.7878	0.2888	30
31	0.0848		0.1158		3.17		3.24	0.481		1.27		0.3188	31
TOTAL	3.288	2.387	4.181	74.383	144.38	232.83	200.88	28.288	188.843	87.88	44.841	13.888	TOTAL
MEAN	0.188	0.078	0.132	2.48	4.85	7.73	6.48	0.918	6.87	2.18	1.88	0.438	MEAN
MAX	0.118	0.117	0.148	12.7	5.88	13.1	14.8	1.88	13.8	4.78	1.88	0.818	MAX
MIN	0.884	0.888	0.118	0.112	3.17	3.13	3.24	0.481	0.318	1.28	0.787	0.888	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.84
MAXIMUM DAILY, 14.8 ON JUL 4
MINIMUM DAILY, 0.0888 ON FEB 13
MAXIMUM INSTANTANEOUS,
17.28 AT 14:41 CST ON APR 22

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 48 59 N
LONG 102 33 44 W
DRAINAGE AREA, 887 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	383	JUL	17 300
FEB	181	AUG	3 480
MAR	354	SEP	13 000
APR	6 430	OCT	5 670
MAY	12 000	NOV	3 880
JUN	20 000	DEC	1 170

TOTAL DISCHARGE, 83 390 dam³

FISHING LAKE NEAR WADENA - STATION NO. 05MB013

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	528.834	---	1
2	---	---	---	---	---	528.629	---	528.748	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	528.618	---	---	---	7
8	---	---	---	---	---	---	---	528.730	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	528.629	528.692	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	528.637	528.684	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	528.585	---	---	14
15	---	---	---	---	---	528.640	---	---	---	---	---	---	15
16	---	---	---	---	---	---	528.704	---	---	528.555	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	528.570	---	---	---	21
22	---	---	---	---	---	---	---	528.683	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	528.536	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	528.630	---	---	---	528.575	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	---	528.627	---	---	---	---	---	---	29
30	---		---	---	---	---	---	528.647	---	---	---	---	30
31	---		---		528.626		528.745	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 51 41 N
LONG 103 33 48 W
DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

FLOWING WELL WEST INFLOW NEAR FLOWING WELL - STATION NO 05JC007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.1278	2.33	0.005	0	0	0	0	0	---	---	1
2	---	---	0.0948	0.723	0.003	0	0	0	0	0	---	---	2
3	---	---	0.0838	0.448	0.002	0	0	0	0	0	---	---	3
4	---	---	0.1008	0.386	0.001	0	0	0	0	0	---	---	4
5	---	---	0.1068	0.129	0	0	0	0	0	0	---	---	5
6	---	---	0.0888	0.113	0	0	0	0	0	0	---	---	6
7	---	---	0.0808	0.072	0	0	0	0	0	0	---	---	7
8	---	---	0.0808	0.054	0	0	0	0	0	0	---	---	8
9	---	---	0.0418	0.053	0	0	5.14	0	0	0	---	---	9
10	---	---	0.0108	0.039	1.85	0	3.68	0	0	0	---	---	10
11	---	---	2.33 B	0.043	0.420	0	3.78	0	0	0	---	---	11
12	---	---	1.15 B	0.033	0.156	0	1.61	0	0	0	---	---	12
13	---	---	0.8538	0.031	0.072	0	1.00	0	0	0	---	---	13
14	---	---	0.2148	0.026	0.053	0	0.580	0	0	0	---	---	14
15	---	---	0.2138	0.019	0.038	0	0.339	0	0	0	---	---	15
16	---	0.0308	0.1988	0.017	0.020	0	0.214	0	0	0	---	---	16
17	---	0.0258	0.1648	0.016	0.024	0	0.133	0	0	0	---	---	17
18	---	0.0298	0.1598	0.014	0.022	0	0.087	0	0	0	---	---	18
19	---	0.0618	0.1238	0.016	0.021	0	0.060	0	0	0	---	---	19
20	---	0.0388	0.0928	0.016	0.024	0	0.834	0	0	0	---	---	20
21	---	0.0108	0.0688	0.013	0.021	0	0.744	0	0	0	---	---	21
22	---	0.0158	0.0488	0.011	0.018	0	0.151	0	0	0	---	---	22
23	---	0.0528	0.0338	0.008	0.014	0	0.080	0	0	0	---	---	23
24	---	0.0648	0.0238	0.007	0.012	0	0.036	0	0	0	---	---	24
25	---	0.2268	0.0138	0.006	0.008	0	0.018	0	0	0	---	---	25
26	---	0.3338	0.0138	0.010	0.005	0	0.016	0	0	0	---	---	26
27	---	0.1918	0.0128	0.018	0.001	0	0.006	0	0	0	---	---	27
28	---	0.2178	0.0228	0.018	0	0	0.002	0	0	0	---	---	28
29	---		1.48 B	0.013	0	0	0.001	0	0	0	---	---	29
30	---		4.74	0.008	0	0	0	0	0	0	---	---	30
31	---		5.08		0		0	0		0		---	31
TOTAL	---	---	18.510	4.726	3.809	0	17.280	0	0	0	---	---	TOTAL
MEAN	---	---	0.597	0.158	0.001	0	0.557	0	0	0	---	---	MEAN
MAX	---	---	5.08	2.33	1.85	0	5.14	0	0	0	---	---	MAX
MIN	---	---	0.012	0.008	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.197
MAXIMUM DAILY, 5.14 ON JUL 9
MINIMUM DAILY, 0 ON MAY 6
MAXIMUM INSTANTANEOUS,
11.6 AT 06:37 CST ON JUL 9

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 15 04 N
LONG 104 56 46 W
DRAINAGE AREA, 87.0 km²

B - ICE CONDITIONS

NATURAL FLOW

REMARKS - SOME RUNOFF OCCURRED IN FEBRUARY, OUTSIDE THE STANDARD PERIOD

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 490
FEB	---	AUG	0
MAR	1 590	SEP	0
APR	408	OCT	0
MAY	343	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 3 740 dam³

POND DU LAC RIVER AT OUTLET OF BLACK LAKE - STATION NO 07LE002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	223	207	191	200	348	381	400	374	385	363E	359	314	1
2	223	207	191	201	352	382	400	376	387	364E	360	313	2
3	224	208	193	201	354	383	402	378	384	364E	357	310	3
4	222	209	193	201	357	386	398	380	383	365E	357	308	4
5	222	210	193	200	360	385	398	372	381	366E	356	307	5
6	220	207	193	198	362	386	393	373	359	368E	357	305	6
7	221	203	194	199	366	310	382	380	380	367E	356	303	7
8	222	207	194	200	271	312	381	372	382	368E	357	302	8
9	222	204	193	204	271	316	388	372	380	369E	352	300	9
10	220	204	194	204	271	321	386	373	396	369E	347	298	10
11	220	205	195	204	272	324	385	373	358	361A	347	296	11
12	221	204	194	204	274	328	384	370	355	360	346	295	12
13	221	202	196	205	275	334	380	382	356	361	345	293	13
14	219	203	196	205	274	340	382	387	357	363	343	291	14
15	220	202	196	206	276	346	380	388	356	363	340	291	15
16	220	198	195	207	361A	351	376	388	357	354	339	289	16
17	220	194	196	207	361E	357	378	386	380	361	339	287	17
18	218	195	196	209	362E	363	375	386	356	362	336	287	18
19	219	194	196	211	363E	366	373	384	355	363	337	285	19
20	218	195	195	211	364E	371	373	384	355	363	337	284	20
21	214	194	196	213	365E	375	373	385	356	363	335	282	21
22	212	195	196	214	365E	378	371	386	355	363	332	281	22
23	212	194	197	216	366E	383	370	386	355	359	330	277	23
24	212	193	196	217	367E	387	369	386	353	357	328	276	24
25	214	193	197	222	368E	390	370	387	356	361	335	274	25
26	212	193	197	225	369E	391	370	388	359	360	332	273	26
27	211	193	197	229	390E	393	374	389	353	359	329	272	27
28	210	193	198	235	391A	395	372	388	351A	360	318	270	28
29	210		199	238	395	397	372	388	352E	358	317	268	29
30	210		199	243	397	400	371	388	352E	360	316	267	30
31	207		200		399		371	387		358		266	31
TOTAL	6 737	5 806	6 056	6 331	8 586	10 485	11 813	11 461	10 725	11 139	10 209	8 986	TOTAL
MEAN	217	200	195	211	277	349	381	369	358	359	340	288	MEAN
MAX	224	210	200	243	399	400	402	379	387	363	360	314	MAX
MIN	207	193	191	198	248	301	369	362	351	353	316	266	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 296
MAXIMUM DAILY, 402 ON JUL 3
MINIMUM DAILY, 191 ON MAR 1
MAXIMUM INSTANTANEOUS,
410 AT 08:03 CST ON JUL 3

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 08 50 N
LONG 105 32 20 W
DRAINAGE AREA, 49 200 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	582 000	JUL	1 020 000
FEB	484 000	AUG	989 000
MAR	523 000	SEP	927 000
APR	547 000	OCT	962 000
MAY	742 000	NOV	882 000
JUN	903 000	DEC	775 000

TOTAL DISCHARGE, 9 340 000 dam³

FOSTER RIVER ABOVE CHURCHILL RIVER - STATION NO 09CE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	8 12	8 53	7 84	7 80	13 2	18 0E	34 8	18 4	10 9	11 7	12.3	11 2	1
2	8 05	8 44	7 84	7 48	14 2	22 0E	33 0	18 3	10 9	11 9	12.2	11 1	2
3	8 14	8 32	7 85	7 48	15 3	28 0E	32 0	18 3	10 9	12 0	12 1	11 1	3
4	8 20	8 24	7 85	7 45	16 1	35 0E	29 0	15 9	10 8	12 2	12.1	11 1	4
5	8 22	8 11	7 85	7 43	17 0	45 0E	28 2	15 5	10 8	12 4	12 0	11 0	5
6	8 20	8 10	7 85	7 42	17 3	55 0E	27 4	15 4	10 9	12 3	12 0	11 0	6
7	8 13	8 23	7 83	7 44	17 6	70 0E	26 8	15 2	11 0	12 4	12 0	11 0	7
8	8 15	8 16	7 78	7 46	18 0	80 0E	26 0	14 8	10 8	12 5	11 8	10 8	8
9	8 16	8 10	7 78	7 43	18 4	85 0E	25 1	14 6	10 7	12 5	11 8	10 8	9
10	8 03	8 22	7 78	7 31	18 3	85 4A	24 3	14 2	10 6	12 5	11 8	10 5	10
11	8 01	8 28	7 82	7 32	18 1	89 7	23 5	14 0	10 5	12 5	11 8	10 5	11
12	8 08	8 20	7 84	7 35	18 1	88 0	22 8	14 1	10 4	12 5	11 8	10 4	12
13	8 02	8 20	7 80	7 40	18 2	86 7	22 5	13 8	10 4	12 6	11 8	10 4	13
14	8 00	8 21	7 78	7 50	18 0	84 0	21 8	13 5	10 4	12 5	11 8	10 3	14
15	8 00	8 18	7 77	7 50	17 8	80 0	21 3	13 3	10 4	12 6	11 7	10.0	15
16	8 00	8 11	7 78	7 50	17 8	76 8	20 7	13 1	10 4	12 7	11 7	9 88	16
17	8 76	7 97	7 87	7 67	17 8	70 6	20 4	13 0	11 0	12 6	11 7	9 78	17
18	8 78	7 97	7 80	7 84	18 0	68 3	19 9	12.8	11 0	12 6	11 8	9 88	18
19	8 79	8 01	7 87	7 75	17 8A	61 4	19 8	12 5	10 9	12 6	11 8	9 82	19
20	8 78	7 98	7 86	7 83	17 8E	57 3	19 4	12 4	10 8	12 6	11 8	9.88	20
21	8 80	7 95	7 86	7 86	17 4E	53 8	19 4	12.3	10.8	12 6	11 8	9 65	21
22	8 78	7 98	7 83	8 10	17 3E	50 1	19 0	12 0	10 8	12 6	11 7	9.34	22
23	8 73	7 98	7 40	8 37	17 2E	48 8	18 5	12 0	11 0	12 6	11 7	9.24	23
24	8 83	8 01	7 82	8 61	17 1E	43 5	18.2	11 8	11.2	12 5	11 5	9 13	24
25	8 83	7 98	7 81	8 84	17.0E	43 1	17.8	11.7	11.3	12 5	11 5	9.20	25
26	8 46	7 99	7 47	9 19	16 9E	42 3	17 5	11 8	11.4	12 4	11 5	9 17	26
27	8 82	7 83	7 46	9 75	16 7E	40 1	17 0	11 4	11.5	12 4	11 5	9.14	27
28	8 82	7 80	7 86	10 5	16 6E	38 9	16 8	11.3	11 5	12.2	11 4	9 88	28
29	8 81		7 87	11 3	16 5E	37 7	16 6	11.3	11.5	12 2	11 4	9.83	29
30	8 81		7 82	12.2	16 5E	36 5	16 6	11 1	11.6	12 3	11 3	9.88	30
31	8 80		7 84		17 0E		16 5	11 1		12 2		9 79	31
TOTAL	274 81	227 34	238 23	244 55	531.2	1 724 8	893 7	614 6	327 2	384 9	353.3	309 76	TOTAL
MEAN	8 86	8 12	7 68	8 15	17 1	57 5	22 6	13 4	10 8	12 4	11 8	9.99	MEAN
MAX	8 22	8 53	7 90	12.2	18 4	88 7	34 8	18 4	11 8	12 7	12 3	11.2	MAX
MIN	8 46	7 98	7 47	7.31	13 2	18.0	16 5	11 1	10 4	11.7	11.3	9 79	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 18.7
MAXIMUM DAILY, 88.7 ON JUN 11
MINIMUM DAILY, 7.31 ON APR 10
MAXIMUM INSTANTANEOUS,
89.1 AT 05:30 CST ON JUN 11

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 49 30 N
LONG 105 45 30 W
DRAINAGE AREA, 4 540 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	23 700	JUL	55 000
FEB	19 000	AUG	35 000
MAR	20 000	SEP	28 000
APR	21 100	OCT	33 000
MAY	46 000	NOV	30 000
JUN	160 000	DEC	26 000

TOTAL DISCHARGE, 485 000 dam³

FRENCHMAN RIVER AT INTERNATIONAL BOUNDARY - STATION NO. 11AC041

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	2.74 B	7.98	0.312	1.20	0.127	1.02	0	0	---	---	1
2	---	---	2.49 B	8.10	0.262	1.29	0.158	1.03	0	0	---	---	2
3	---	---	2.32 B	7.72	0.226	1.32	0.166	1.12	0.032	0	---	---	3
4	---	---	2.19 B	3.93	0.230	1.25	0.205	1.17	0.021	0	---	---	4
5	---	---	1.82 B	2.07	0.217	1.26	0.209	0.932	0.010	0	---	---	5
6	---	---	1.39 B	1.69	0.213	1.44	0.209	0.827	0.006	0	---	---	6
7	---	---	1.19 B	1.17	0.226	1.41	0.257	0.838	0.002	0	---	---	7
8	---	---	1.18 B	1.16	0.262	1.39	0.261	0.855	0	0	---	---	8
9	---	---	1.07 B	2.95	0.262	1.23	0.382	0.713	0	0	---	---	9
10	---	---	0.9928	2.58	0.317	1.13	0.433	0.872	0	0	---	---	10
11	---	---	0.9228	2.61	0.375	1.16	1.98	0.587	0	0	---	---	11
12	---	---	0.8648	2.58	0.518	1.23	2.38	0.511	0	0	---	---	12
13	---	---	1.16 B	2.53	0.912	1.08	0.784	0.448	0	0	---	---	13
14	---	---	1.96 B	2.24	1.20	0.882	0.468	0.340	0	0	---	---	14
15	---	---	1.78 B	2.74	4.61	0.912	0.367	0.301	0	0	---	---	15
16	---	---	1.89 B	2.80	5.74	0.730	0.317	0.281	0	0	---	---	16
17	---	---	1.87 B	2.77	7.86	0.730	0.288	0.236	0	0	---	---	17
18	---	---	1.47 B	2.58	7.03	0.648	0.265	0.158	0	0	---	---	18
19	---	---	1.24 B	2.75	7.64	0.535	0.226	0.104	0	0	---	---	19
20	---	---	0.8938	1.79	7.19	0.418	0.184	0.072	0	0	---	---	20
21	---	---	0.9928	0.837	5.54	0.393	0.139	0.058	0	0	---	---	21
22	---	---	1.54 B	0.897	5.10	0.388	0.213	0.050	0	0	---	---	22
23	---	---	1.42 B	0.818	5.82	0.328	0.381	0.058	0	0	---	---	23
24	---	---	1.18 B	0.532	3.85	0.301	0.784	0.042	0	0	---	---	24
25	---	---	1.25 B	0.488	1.23	0.257	0.812	0.030	0	0	---	---	25
26	---	---	2.61 B	0.428	0.773	0.205	0.882	0.023	0	0.735	---	---	26
27	---	---	2.51 B	0.413	0.618	0.175	0.982	0.019	0	1.14	---	---	27
28	---	---	2.42 B	0.432	0.884	0.161	1.02	0.011	0	1.32	---	---	28
29	---		2.56 B	0.439	1.17	0.148	0.982	0.006	0	1.34	---	---	29
30	---		5.40	0.419	1.16	0.136	0.932	0.002	0	1.36	---	---	30
31	---		6.08		1.06		0.893	0		1.13		---	31
TOTAL	---	---	59.383	70.019	75.567	33.810	17.783	12.486	0.071	7.025	---	---	TOTAL
MEAN	---	---	1.92	2.33	2.44	0.784	0.573	0.403	0.002	0.227	---	---	MEAN
MAX	---	---	6.08	8.10	7.86	1.44	2.38	1.17	0.032	1.36	---	---	MAX
MIN	---	---	0.864	0.413	0.213	0.136	0.127	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.00
MAXIMUM DAILY, 8.10 ON APR 2
MINIMUM DAILY, 0 ON AUG 31
MAXIMUM INSTANTANEOUS,
9.00 AT 06:00 CST ON MAY 17

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 00 00 N
LONG 107 18 10 W
DRAINAGE AREA, 5 510 km²

B - ICE CONDITIONS

REGULATED SINCE 1937

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	1 530
FEB	---	AUG	1 080
MAR	5 130	SEP	6 13
APR	5 050	OCT	607
MAY	6 530	NOV	---
JUN	2 060	DEC	---

TOTAL DISCHARGE, 23 000 dam³

FRENCHMAN RIVER BELOW EASTEND RESERVOIR - STATION NO. 11AC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.4859	14.2	1.03	0.313	0.885	0.302	0.256	0.636	0.486	---	1
2	---	---	0.4599	4.85	0.776	0.313	5.913	0.277	0.244	0.569	0.498A	---	2
3	---	---	0.4308	3.55	0.568	0.313	1.02	0.286	0.234	0.534	---	---	3
4	---	---	0.4309	2.81	0.571	0.311	0.812	0.271	0.233	0.553	---	---	4
5	---	---	0.4589	2.85	0.529	0.320	0.811	0.271	0.230	0.545	---	---	5
6	---	---	0.5278	2.51	0.459	0.316	0.815	0.272	0.229	0.527	---	---	6
7	---	---	0.5948	2.22	0.446	0.317	0.811	0.267	0.225	0.482	---	---	7
8	---	---	0.6198	1.87	0.435	0.316	0.534	0.256	0.227	0.499	---	---	8
9	---	---	0.6578	1.85	0.452	0.315	0.384	0.266	0.232	0.501	---	---	9
10	---	---	0.6638	1.82	2.72	0.302	0.580	0.260	0.227	0.519	---	---	10
11	---	---	0.6618	1.86	4.42	0.311	1.47	0.263	0.227	0.523	---	---	11
12	---	---	3.29 B	1.84	5.11	0.303	6.67	0.260	0.225	0.539	---	---	12
13	---	---	10.4	1.64	5.34	0.297	11.4	0.257	0.244	0.508	---	---	13
14	---	---	9.73	1.27	3.43	0.287	2.12	0.252	0.234	0.542	---	---	14
15	---	---	5.00	1.10	3.46	0.284	1.03	0.252	0.237	0.680	---	---	15
16	---	---	2.36	0.802	3.30	0.287	1.04	0.244	0.242	0.673	---	---	16
17	---	---	1.78	1.03	3.12	0.284	1.04	0.253	0.252	0.583	---	---	17
18	---	---	1.70	1.35	4.77	0.284	0.578	0.257	0.243	0.495	---	---	18
19	---	---	1.77	1.21	4.86	0.290	0.277	0.257	0.804	0.528	---	---	19
20	---	---	1.71	1.20	4.80	0.285	0.290	0.248	0.810	0.558	---	---	20
21	---	---	1.35	1.25	2.86	0.298	0.289	0.240	0.302	0.518	---	---	21
22	---	---	1.01	1.43	0.324	0.293	0.287	0.242	0.296	0.527	---	---	22
23	---	0.5318	0.806	1.32	0.305	0.298	0.295	0.248	0.303	0.479	---	---	23
24	---	0.4898	0.596	1.15	0.315	0.295	0.303	0.240	0.847	0.468	---	---	24
25	---	0.4668	0.587	1.10	0.310	0.295	0.307	0.239	1.32	0.538	---	---	25
26	---	0.4918	0.535	1.23	0.304	0.310	0.314	0.237	1.61	0.527	---	---	26
27	---	0.5418	0.510	1.40	0.310	0.300	0.305	0.228	1.80	0.484	---	---	27
28	---	0.5918	0.476	1.98	0.308	0.294	0.307	0.227	1.63	0.468	---	---	28
29	---		0.450	1.94	0.318	0.306	0.307	0.226	1.18	0.513	---	---	29
30	---		0.431	1.93	0.323	0.859	0.291	0.229	0.882	0.538	---	---	30
31	---		5.91		0.323		0.287	0.292		0.511		---	31
TOTAL	---	---	56.425	83.132	58.134	8.594	36.602	7.904	15.541	16.737	---	---	TOTAL
MEAN	---	---	1.82	2.10	1.88	0.320	1.18	0.255	0.518	0.540	---	---	MEAN
MAX	---	---	10.4	14.2	6.34	0.859	11.4	0.302	1.80	0.680	---	---	MAX
MIN	---	---	0.430	0.802	0.304	0.284	0.277	0.226	0.225	0.468	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.08
MAXIMUM DAILY, 14.2 ON APR 1
MINIMUM DAILY, 0.225 ON SEP 7
MAXIMUM INSTANTANEOUS,
17.3 AT 08:07 CST ON APR 1

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 30 54 N
LONG 108 50 15 W
DRAINAGE AREA, 1 800 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1937

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	3 180
FEB	---	AUG	883
MAR	4 880	SEP	1 340
APR	5 450	OCT	1 450
MAY	5 030	NOV	---
JUN	535	DEC	---

TOTAL DISCHARGE, 23 800 dam³

FRENCHMAN RIVER BELOW NEWTON LAKE - STATION NO 11AC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.282	0.378	0.230	0.274	0.268	0.223	0.105	0.001	0.180	---	1
2	---	---	0.287	0.388	0.232	0.274	0.273	0.228	0.088	0.001	0.198A	---	2
3	---	---	0.302	0.375	0.236	0.277	0.277	0.215	0.070	0.001	---	---	3
4	---	---	0.310	0.385	0.241	0.277	0.267	0.218	0.085	0.001	---	---	4
5	---	---	0.320	0.359	0.236	0.277	0.268	0.244	0.083	0	---	---	5
6	---	---	0.327	1.71	0.239	0.274	0.260	0.241	0.088	0	---	---	6
7	---	---	0.335	3.81	0.246	0.267	0.262	0.232	0.080	0	---	---	7
8	---	---	0.345	3.88	0.246	0.256	0.256	0.224	0.048	0	---	---	8
9	---	---	0.349	3.84	0.247	0.252	0.258	0.217	0.024	0	---	---	9
10	---	---	0.743	3.80	0.248	0.247	0.272	0.206	0.042	0.001	---	---	10
11	---	---	0.338	3.78	0.233	0.248	0.263	0.204	0.038	0.001	---	---	11
12	---	---	0.318	3.81	0.238	0.241	0.258	0.186	0.038	0.001	---	---	12
13	---	---	0.316	3.77	2.84	0.241	0.252	0.126	0.018	0.001	---	---	13
14	---	---	0.308	3.80	4.45	0.228	0.264	0.122	0.001	0.001	---	---	14
15	---	---	0.297	3.77	4.44	0.256	0.277	0.118	0.001	0.001	---	---	15
16	---	---	0.301	3.78	4.86	0.241	0.274	0.125	0	0.001	---	---	16
17	---	---	0.304	3.76	5.26	0.231	0.276	0.133	0	0	---	---	17
18	---	---	0.783	1.38	5.23	0.212	0.274	0.132	0	0	---	---	18
19	---	---	1.77	0.387	5.19	0.205	0.265	0.125	0	0	---	---	19
20	---	---	1.83	0.350	5.18	0.200	0.278	0.118	0	1.18	---	---	20
21	---	---	1.31	0.354	5.13	0.198	0.285	0.124	0	1.90	---	---	21
22	---	---	1.02	0.351	3.80	0.202	0.273	0.131	0	1.88	---	---	22
23	---	---	1.04	0.347	0.292	0.202	0.273	0.138	0	1.74	---	---	23
24	---	0.356A	1.05	0.348	0.282	0.201	0.274	0.132	0	1.71	---	---	24
25	---	0.251	1.05	0.354	0.289	0.195	0.266	0.128	0	1.82	---	---	25
26	---	0.383	0.938	0.350	0.287	0.192	0.267	0.127	0	1.83	---	---	26
27	---	0.371	0.400	0.338	0.272	0.210	0.256	0.133	0.001	1.50	---	---	27
28	---	0.278	0.388	0.332	0.272	0.282	0.251	0.124	0	1.14	---	---	28
29	---		0.388	0.330	0.277	0.272	0.255	0.114	0.001	0.180	---	---	29
30	---		0.388	0.338	0.277	0.284	0.242	0.108	0.001	0.185	---	---	30
31	---		0.374		0.280		0.227	0.107		0.184		---	31
TOTAL	---	---	18.133	90.494	85.397	7.194	8.210	4.885	0.724	14.880	---	---	TOTAL
MEAN	---	---	0.585	1.88	1.78	0.240	0.265	0.180	0.024	0.474	---	---	MEAN
MAX	---	---	1.83	3.81	5.26	0.282	0.288	0.244	0.105	1.90	---	---	MAX
MIN	---	---	0.283	0.228	0.230	0.182	0.227	0.107	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.652
MAXIMUM DAILY, 5.26 ON MAY 17
MINIMUM DAILY, 0 ON SEP 18
MAXIMUM INSTANTANEOUS,
5.29 AT 21:35 CST ON MAY 18

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 18 07 N
LONG 107 46 20 W
DRAINAGE AREA, 3 490 km²
A - MANUAL GAUGE

REGULATED SINCE 1937

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	709
FEB	---	AUG	428
MAR	1 570	SEP	62.6
APR	4 380	OCT	1 270
MAY	4 790	NOV	---
JUN	622	DEC	---

TOTAL DISCHARGE, 13 800 dam³

PROBISHER INDEX RESERVOIR - STATION NO 05NB004

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	28.510E	29.568	29.648E	29.621	29.380E	29.135E	28.770E	28.595	28.493	---	1
2	---	---	28.510E	29.858	29.638	29.613	29.367	29.115	28.755E	28.598E	---	---	2
3	---	---	28.510E	29.982	29.620	29.600E	29.344E	29.100E	28.745	28.597	---	---	3
4	---	---	28.510E	30.050E	29.608	29.586	29.341	29.085E	28.735E	28.600E	---	---	4
5	---	---	28.510E	30.121	29.798	29.575	29.335	29.072	28.725E	28.595E	---	---	5
6	---	---	28.510E	30.118	29.785E	29.585	29.321	29.060E	28.715E	28.590E	---	---	6
7	---	---	28.510E	30.118	29.774	29.553	29.309	29.045E	28.709	28.587	---	---	7
8	---	---	28.510E	30.118	29.773E	29.541	29.295	29.032	28.700E	28.585E	28.493	---	8
9	---	---	28.510E	30.108	29.762	29.505E	29.289	29.020E	28.690E	28.590E	---	---	9
10	---	---	28.510E	30.100	29.755E	29.539	29.300E	29.005E	28.685E	28.580E	---	---	10
11	---	---	28.510E	30.090	29.750E	29.527	29.307	28.990E	28.677	28.570E	---	---	11
12	---	---	28.510E	30.078	29.750E	29.513	29.300E	28.975E	28.665E	28.585	---	---	12
13	---	---	28.510E	30.060	29.745E	29.505E	29.290E	28.962	28.650E	28.580E	---	---	13
14	---	---	28.510E	30.045	29.742	29.491	29.270E	28.970E	28.635E	28.559E	---	---	14
15	---	---	28.510E	30.038	29.738	29.475	29.252	28.950E	28.677	28.557	---	---	15
16	---	---	28.510E	30.038	29.733E	29.483	29.285E	28.930E	28.685E	28.555E	---	---	16
17	---	---	28.510E	30.015	29.728	29.469	29.280E	28.912	28.660E	28.550E	---	---	17
18	---	---	28.510E	30.010	29.722	29.435	29.270E	28.900E	28.670E	28.548E	---	---	18
19	---	---	28.510E	30.002	29.716	29.423E	29.278	28.905E	28.655E	28.545E	---	---	19
20	---	---	28.530E	29.984	29.708	29.415	29.260E	28.885E	28.640E	28.540E	---	---	20
21	---	---	28.560E	29.970	29.698	29.420E	29.290E	28.870E	28.630E	28.537	---	---	21
22	---	---	28.590E	29.960	29.690	29.413	29.260	28.883	28.620E	28.530E	---	---	22
23	---	---	28.630E	29.950	29.685	29.389	29.229E	28.880E	28.610E	28.525E	---	---	23
24	---	---	28.670E	29.938	29.675	29.380E	29.230E	28.850E	28.605E	28.522E	---	---	24
25	---	---	28.710E	29.926	29.667	29.365E	29.210E	28.840E	28.590	28.520E	---	---	25
26	---	---	28.750E	29.910E	29.658	29.357E	29.183	28.832	28.585E	28.517	---	---	26
27	---	---	28.640E	29.894	29.648	29.340	29.200E	28.820E	28.580E	28.510E	---	---	27
28	---	28.510	28.950	29.878	29.631	29.340E	29.185E	28.810E	28.585	28.507E	---	---	28
29	---		29.100E	29.866	29.619	29.336	29.175E	28.814E	28.575	28.503E	---	---	29
30	---		29.250E	29.854	29.631	29.350E	29.180	28.802	28.570E	28.500E	---	---	30
31	---		29.450E		29.634		29.150E	28.788		28.498E		---	31
MEAN	---	---	28.636	29.981	29.727	29.472	29.265	28.942	28.664	28.553	---	---	MEAN
MAX	---	---	29.450	30.121	29.845	29.621	29.380	29.135	28.770	28.600	---	---	MAX
MIN	---	---	28.510	29.848	29.619	29.336	29.150	28.788	28.570	28.498	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 30.121 ON APR 5

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 11 47 N
LONG 102 22 36 W

E - ESTIMATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

GAPP DITCH NEAR MERRYFLAT - STATION NO. 11AB103

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.1028	0.450	0	0.007	0.003	0.005	0.002	---	---	1
2	---	---	0 B	0.2258	0.438	0.219	0.005	0.003	0.005	0.002	---	---	2
3	---	---	0 B	0.3038	0.391	0.410	0.012	0.003	0.006	0.002	---	---	3
4	---	---	0 B	0.4758	0.276	0.516	0.012	0.003	0.006	0.003	---	---	4
5	---	---	0 B	0.4628	0.057	0.504	0.008	0.003	0.006	0.004	---	---	5
6	---	---	0 B	0.4258	0.042	0.491	0.002	0.003	0.005	0.005	---	---	6
7	---	---	0 B	0.3408	0.019	0.587	0.002	0.003	0.005	0.005	---	---	7
8	---	---	0 B	0.3018	0.004	0.486	0.001	0.003	0.005	0.005	---	---	8
9	---	---	0 B	0.4788	0.002	0.460	0.001	0.003	0.005	0.005	---	---	9
10	---	---	0 B	0.4878	0.005	0.430	0.004	0.003	0.005	0.005	---	---	10
11	---	---	0 B	0.4278	0.005	0.469	0.008	0.003	0.004	0.007	---	---	11
12	---	---	0 B	0.3768	0.004	0.480	0.006	0.004	0.003	0.006	---	---	12
13	---	---	0 B	0.3218	0.003	0.469	0	0.003	0.002	0.008	---	---	13
14	---	---	0 B	0.3348	0.002	0.411	0	0.004	0.002	0.008	---	---	14
15	---	---	0 B	0.428	0.002	0.389	0.022	0.003	0.001	0.009	---	---	15
16	---	---	0 B	0.486	0.002	0.341	0.001	0.002	0.001	0.008	---	---	16
17	---	---	0 B	0.456	0.303	0.318	0.002	0.002	0.001	0.010	---	---	17
18	---	---	0 B	0.480	0.003	0.388	0.001	0.002	0.001	0.010	---	---	18
19	---	---	0 B	0.497	0.003	0.463	0.003	0.003	0.002	0.008	---	---	19
20	---	---	0 B	0.592	0.006	0.509	0.001	0.003	0.002	0.006	---	---	20
21	---	0B	0 B	0.571	0.006	0.286	0.001	0.003	0.002	0.003	---	---	21
22	---	0B	0 B	0.556	0.004	0.110	0.002	0.003	0.002	0.003	---	---	22
23	---	0B	0 B	0.558	0.003	0.039	0.001	0.004	0.002	0.003	---	---	23
24	---	0B	0 B	0.526	0.003	0.019	0.001	0.004	0.002	0.003	---	---	24
25	---	0B	0 B	0.505	0.003	0.010	0.001	0.005	0.002	0.003	---	---	25
26	---	0B	0 B	0.508	0.001	0.007	0.001	0.005	0.002	0.003	---	---	26
27	---	0B	0.0018	0.492	0	0.001	0.002	0.005	0.002	0.003	---	---	27
28	---	0B	0.0058	0.445	0	0.001	0.002	0.005	0.002	0.003	---	---	28
29	---		0.0158	0.441	0	0.001	0.002	0.006	0.002	0.003	---	---	29
30	---		0.0248	0.440	0	0.001	0.003	0.006	0.002	0.003	---	---	30
31	---		0.0018		0		0.003	0.006		0.003A		---	31
TOTAL	---	---	0.046	13.029	1.737	8.764	0.115	0.111	0.092	0.159	---	---	TOTAL
MEAN	---	---	0.001	0.434	0.056	0.291	0.004	0.004	0.003	0.005	---	---	MEAN
MAX	---	---	0.024	0.592	0.450	0.587	0.022	0.006	0.006	0.010	---	---	MAX
MIN	---	---	0	0.102	0	0	0	0.002	0.001	0.002	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.088
MAXIMUM DAILY, 0.592 ON APR 20
MINIMUM DAILY, 0B ON MAR 1

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 26 05 N
LONG 109 50 07 W

A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	9.94
FEB	---	AUG	8.59
MAR	3.97	SEP	7.95
APR	1 130	OCT	13.7
MAY	150	NOV	---
JUN	756	DEC	---

TOTAL DISCHARGE, 2 050 dam³

GAINSBOROUGH CREEK NEAR STORTHOAKS - STATION NO. 05NF013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.446	0.016	0	0	0	0	---	---	1
2	---	---	0B	0 B	0.394	0.013	0	0	0	0	---	---	2
3	---	---	0B	0 B	0.363	0.013	0	0	0	0	---	---	3
4	---	---	0B	0 B	0.341	0.008	0	0	0	0	---	---	4
5	---	---	0B	0 B	0.319	0.005	0	0	0	0	---	---	5
6	---	---	0B	0 B	0.297	0.003	0	0	0	0	---	---	6
7	---	---	0B	0.0578	0.280	0	0	0	0	0	---	---	7
8	---	---	0B	0.1848	0.263	0	0	0	0	0	---	---	8
9	---	---	0B	0.2508	0.250	0	0	0	0	0	---	---	9
10	---	---	0B	2.53 B	0.236	0	0	0	0	0	---	---	10
11	---	---	0B	3.53 B	0.220	0	0	0	0	0	---	---	11
12	---	---	0B	1.80 B	0.212	0	0	0	0	0	---	---	12
13	---	---	0B	2.89 B	0.208	0	0	0	0	0	---	---	13
14	---	---	0B	0.8928	0.202	0	0	0	0	0	---	---	14
15	---	---	0B	0.4178	0.193	0	0	0	0	0	---	---	15
16	---	---	0B	0.4428	0.182	0	0	0	0	0	---	---	16
17	---	---	0B	0.5468	0.168	0	0	0	0	0	---	---	17
18	---	---	0B	1.30 B	0.153	0	0	0	0	0	---	---	18
19	---	---	0B	4.29 B	0.144	0	0	0	0	0	---	---	19
20	---	---	0B	4.29 B	0.140	0	0	0	0	0	---	---	20
21	---	---	0B	4.32 B	0.136	0	0	0	0	0	---	---	21
22	---	---	0B	6.57	0.128	0	0	0	0	0	---	---	22
23	---	---	0B	10.7	0.121	0	0	0	0	0	---	---	23
24	---	---	0B	9.20	0.110	0	0	0	0	0	---	---	24
25	---	---	0B	8.89	0.102	0	0	0	0	0	---	---	25
26	---	---	0B	4.86	0.093	0	0	0	0	0	---	---	26
27	---	---	0B	3.14	0.085	0	0	0	0	0	---	---	27
28	---	---	0B	2.00	0.076	0	0	0	0	0	---	---	28
29	---		0B	1.20	0.082	0	0	0	0	0	---	---	29
30	---		0B	0.868	0.037	0	0	0	0	0	---	---	30
31	---		0B		0.024		0	0		0		---	31
TOTAL	---	---	0	74.385	5.987	0.059	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	2.48	0.193	0.002	0	0	0	0	---	---	MEAN
MAX	---	---	0	10.7	0.446	0.016	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0.024	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.336
MAXIMUM DAILY, 10.7 ON APR 23
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
11.2 AT 07:34 CST ON APR 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 34 51 N
LONG 101 31 36 W
DRAINAGE AREA, 712 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	0 430	OCT	0
MAY	517	NOV	---
JUN	5.10	DEC	---

TOTAL DISCHARGE, 0 950 dam³

GAP CREEK BELOW DOWNIE LAKE DIVERSION - STATION NO. 05HA059

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.004	0.253	0.055	0.040	0	0	0	---	---	1
2	---	---	0 B	0.003	0.284	0.049	0.042	0	0	0	---	---	2
3	---	---	0 B	0.003	0.204	0.051	0.082	0	0	0	---	---	3
4	---	---	0 B	0.002	0.174	0.048	0.157	0	0	0	---	---	4
5	---	---	0 B	0.002	0.151	0.049	0.109	0	0	0	---	---	5
6	---	---	0 B	0.002	0.119	0.039	0.053	0	0	0	---	---	6
7	---	---	0 B	0.002	0.091	0.033	0.020	0	0	0	---	---	7
8	---	---	0 B	0.002	0.089	0.022	0.008	0	0	0	---	---	8
9	---	---	0 B	0.003	0.073	0.010	0.006	0	0	0	---	---	9
10	---	---	0 B	0.004	0.231	0.005	1.14	0	0	0	---	---	10
11	---	---	0.001	0.003	0.287	0.005	3.93	0	0	0	---	---	11
12	---	---	0.006	0.003	0.272	0.006	0.701	0	0	0	---	---	12
13	---	---	0.004	0.003	0.226	0.007	0.231	0	0	0	---	---	13
14	---	---	0.005	0.004	0.245	0.003	0.112	0	0	0	---	---	14
15	---	0.0028	0.003	0.004	0.230	0.002	0.080	0	0	0	---	---	15
16	---	0 B	0.002	0.003	0.231	0.002	0.048	0	0	0	---	---	16
17	---	0 B	0.002	0.003	0.288	0.001	0.031	0	0	0	---	---	17
18	---	0 B	0.001	0.003	0.453	0.003	0.010	0	0	0	---	---	18
19	---	0 B	0.001	0.003	0.400	0.006	0.003	0	0	0	---	---	19
20	---	0 B	0.001	0.051	1.27	0.005	0.004	0	0	0	---	---	20
21	---	0 B	0.001	0.127	2.03	0.002	0.003	0	0	0	---	---	21
22	---	0 B	0.001	0.122	1.52	0.002	0.002	0	0	0	---	---	22
23	---	0 B	0.002	0.119	0.993	0.001	0.001	0	0	0	---	---	23
24	---	0 B	0.002	0.108	0.638	0.001	0.001	0	0	0	---	---	24
25	---	0 B	0.002	0.120	0.428	0	0.001	0	0	0	---	---	25
26	---	0 B	0.002	0.153	0.268	0	0	0	0	0	---	---	26
27	---	0 B	0.003	0.237	0.188	0	0	0	0	0	---	---	27
28	---	0 B	0.004	0.231	0.147	0	0	0	0	0	---	---	28
29	---		0.005	0.194	0.108	0.001	0	0	0	0	---	---	29
30	---		0.005	0.152	0.084	0.007	0	0	0	0	---	---	30
31	---		0.005		0.085		0	0		0	---	---	31
TOTAL	---	---	0.058	1.711	11.983	0.417	6.843	0	0	0	---	---	TOTAL
MEAN	---	---	0.002	0.057	0.387	0.014	0.221	0	0	0	---	---	MEAN
MAX	---	---	0.006	0.237	2.03	0.055	3.93	0	0	0	---	---	MAX
MIN	---	---	0	0.002	0.084	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.088
MAXIMUM DAILY, 3.93 ON JUL 11
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
8.15 AT 01:38 CST ON JUL 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 46 13 N
LONG 109 38 15 W
DRAINAGE AREA, 234 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	591
FEB	---	AUG	0
MAR	5.01	SEP	0
APR	148	OCT	0
MAY	1 040	NOV	---
JUN	36.0	DEC	---

TOTAL DISCHARGE, 1 820 dam³

GARDEN RIVER NEAR HENRIBOURG - STATION NO. 05GG010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	4.73	0.079	0.183	0.026	0	0	---	---	1
2	---	---	0B	0 B	3.67	0.071	0.184	0.037	0	0	---	---	2
3	---	---	0B	0 B	3.24	0.085	0.204	0.042	0	0	---	---	3
4	---	---	0B	0 B	3.08	0.056	0.183	0.039	0	0	---	---	4
5	---	---	0B	0 B	3.10	0.038	0.210	0.027	0	0	---	---	5
6	---	---	0B	0 B	2.90	0.022	0.232	0.015	0	0	---	---	6
7	---	---	0B	0 B	2.57	0.024	0.262	0.008	0	0	---	---	7
8	---	---	0B	0 B	2.16	0.053	0.339	0	0	0	---	---	8
9	---	---	0B	0 B	2.01	0.072	0.380	0	0	0	---	---	9
10	---	---	0B	0 B	1.77	0.080	0.296	0	0	0	---	---	10
11	---	---	0B	0 B	1.55	0.092	0.268	0	0	0	---	---	11
12	---	---	0B	0 B	1.61	0.108	0.233	0	0	0	---	---	12
13	---	---	0B	0 B	1.63	0.102	0.204	0	0	0	---	---	13
14	---	---	0B	0 B	1.52	0.088	0.257	0	0	0	---	---	14
15	---	---	0B	0.0018	1.76	0.071	0.261	0	0	0	---	---	15
16	---	---	0B	0.0028	1.61	0.059	0.196	0	0	0	---	---	16
17	---	---	0B	0.0028	1.55	0.052	0.151	0	0	0	---	---	17
18	---	---	0B	0.1028	1.00	0.042	0.126	0	0	0	---	---	18
19	---	---	0B	0.9408	0.680	0.034	0.112	0	0	0	---	---	19
20	---	---	0B	2.16 B	0.693	0.036	0.092	0	0	0	---	---	20
21	---	---	0B	4.11 B	0.654	0.035	0.136	0	0	0	---	---	21
22	---	---	0B	10.6 B	0.511	0.047	0.141	0	0	0	---	---	22
23	---	---	0B	19.3	0.423	0.072	0.122	0	0	0	---	---	23
24	---	---	0B	20.1	0.382	0.134	0.105	0	0	0	---	---	24
25	---	---	0B	17.7	0.349	0.105	0.097	0	0	0	---	---	25
26	---	---	0B	15.2	0.273	0.076	0.078	0	0	0	---	---	26
27	---	---	0B	13.0	0.221	0.068	0.061	0	0	0	---	---	27
28	---	---	0B	10.4	0.178	0.076	0.032	0	0	0	---	---	28
29	---		0B	8.05	0.136	0.105	0.018	0	0	0	---	---	29
30	---		0B	6.15	0.108	0.122	0.017	0	0	0	---	---	30
31	---		0B		0.090		0.019	0		0	---	---	31
TOTAL	---	---	0	127.817	46.227	2.074	5.181	0.190	0	0	---	---	TOTAL
MEAN	---	---	0	4.26	1.49	0.069	0.167	0.006	0	0	---	---	MEAN
MAX	---	---	0	20.1	4.73	0.134	0.380	0.042	0	0	---	---	MAX
MIN	---	---	0	0	0.090	0.022	0.017	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.741
MAXIMUM DAILY, 20.1 ON APR 24
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
21.1 AT 23:01 CST ON APR 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 33 36 N
LONG 105 38 39 W
DRAINAGE AREA, 903 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	648
FEB	---	AUG	18.4
MAR	0	SEP	0
APR	11 000	OCT	0
MAY	3 990	NOV	---
JUN	178	DEC	---

TOTAL DISCHARGE, 15 800 dam³

GEIKIE RIVER BELOW WHEELER RIVER - STATION NO. 06DA004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	31.98	30.78	29.08	27.78	70.9	53.2	71.3	55.5	49.5	72.0	55.3	47.2	1
2	32.18	30.68	29.48	27.98	88.9	55.3	70.0	54.7	48.3	69.4	55.2	46.2	2
3	32.18	30.88	29.68	27.78	87.6	59.9	68.7	53.8	49.7	68.6	51.7	44.8	3
4	32.38	31.28	30.38	26.58	86.1	85.8	85.1	53.7	51.6	67.8	52.8	43.7	4
5	32.38	31.28	30.68	26.18	84.4	71.6	84.6	52.4	53.4	67.5	56.0	42.0	5
6	32.38	31.48	30.68	26.48	83.2	78.7	83.6	51.0	55.9	66.9	58.7	41.0	6
7	32.18	31.48	30.68	27.48	82.3	80.7	81.7	50.2	58.2	66.2	56.8	40.8	7
8	32.38	31.48	30.68	29.88	81.5	84.0	80.2	49.6	60.3	65.3	56.5	39.8	8
9	32.78	31.28	30.88	30.58	80.0	86.5	69.3	48.2	60.9	64.6	55.6	38.4	9
10	32.38	31.08	31.38	31.18	58.8	88.9	58.2	47.2	61.0	63.5	54.3	38.9	10
11	31.88	30.88	31.38	31.88	59.0	89.2	56.9	46.1	61.0	62.5	53.0	38.8	11
12	31.68	30.48	30.58	32.48	58.8	90.4	55.5	46.4	60.4	61.9	52.4	35.7	12
13	31.48	30.48	30.38	33.28	58.1	92.1	54.5	47.3	59.8	61.2	52.5	37.0	13
14	31.48	30.48	29.78	33.78	57.2	92.7	52.3	45.8	58.7	60.3	53.1	38.8	14
15	31.48	30.38	29.48	34.18	57.3	94.5	51.2	45.2	57.9	60.8	53.1	39.0	15
16	31.48	29.88	29.18	34.28	57.1	95.7	51.3	45.4	57.4	61.0	53.2	39.1	16
17	31.38	29.18	28.98	34.88	56.4	94.1	52.5	44.7	56.4	59.8	53.2	38.8	17
18	31.38	29.48	28.88	35.08	55.8	92.4	52.4	43.8	55.8	59.1	53.4	37.7	18
19	31.28	29.78	28.98	35.0	55.9	90.1	51.6	46.6	55.5	59.3	53.3	36.6	19
20	31.28	30.08	29.08	38.7	56.0	88.9	50.8	47.9	70.5	59.5	52.8	35.7	20
21	31.18	29.98	29.38	42.0	56.0	89.2	49.9	50.0	74.3	58.9	52.0	35.0	21
22	31.18	29.88	29.58	47.5	56.0	87.4	48.8	51.3	77.3	58.5	51.3	34.5	22
23	31.18	29.78	29.68	55.4	55.8	87.2	48.0	52.1	78.4	58.5	50.8	33.8	23
24	31.08	29.18	29.98	64.1	55.7	85.8	48.8	52.8	79.0	58.5	49.6	33.5	24
25	30.98	28.98	29.98	70.3	55.0	80.9	49.1	53.2	78.3	57.8	48.7	33.4	25
26	30.98	28.78	30.08	73.0	54.9	79.8	49.1	53.0	77.5	57.5	47.7	33.1	26
27	31.13	28.68	29.98	73.8	54.8	78.3	51.4	52.8	76.8	57.5	48.6	33.2	27
28	30.88	28.58	29.88	72.9	54.5	77.3	52.7	52.2	76.5	57.2	48.0	33.3	28
29	30.88		29.78	73.1	53.5	75.0	53.5	51.8	75.4	56.8	48.0	33.3	29
30	31.08		29.68	72.1	53.9	72.7	54.8	50.7	73.7	56.2	48.7	33.2	30
31	30.98		27.88		53.5		55.3	50.1		55.8		33.3	31
TOTAL	977.2	844.1	923.1	1 268.8	1 819.1	2 456.3	1 732.5	1 545.0	1 923.5	1 910.6	1 586.2	1 184.4	TOTAL
MEAN	31.5	30.1	29.8	42.3	58.7	81.9	55.9	49.8	64.1	61.6	52.2	37.6	MEAN
MAX	32.7	31.4	31.3	73.8	70.9	95.7	71.3	55.5	79.0	72.0	56.7	47.2	MAX
MIN	30.8	28.6	27.8	26.1	53.5	53.2	48.8	43.8	48.3	55.8	48.0	33.1	MIN

SUMMARY FOR THE YEAR 1983

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 49.7
MAXIMUM DAILY, 95.7 ON JUN 16
MINIMUM DAILY, 26.18 ON APR 5
MAXIMUM INSTANTANEOUS,
96.4 AT 16:42 CST ON JUN 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 35 20 N
LONG 104 12 10 W
DRAINAGE AREA, 7 730 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	84 400	JUL	150 000
FEB	72 900	AUG	133 000
MAR	79 600	SEP	166 000
APR	110 000	OCT	165 000
MAY	157 000	NOV	135 000
JUN	212 000	DEC	101 000

TOTAL DISCHARGE, 1 570 000 dam³

GIBSON CREEK NEAR RADVILLE - STATION NO. 05NA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR		APR		MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	B	1.61	B	0.011	0.002	0	0	0	0	---	---	1
2	---	---	0	B	2.55	B	0.010	0.001	0	0	0	0	---	---	2
3	---	---	0	B	5.65	B	0.007	0	0	0	0	0	---	---	3
4	---	---	0	B	5.93	B	0.008	0	0	0	0	0	---	---	4
5	---	---	0	B	5.22	B	0.007	0	0	0	0	0	---	---	5
6	---	---	0	B	4.97	B	0.005	0.025	0	0	0	0	---	---	6
7	---	---	0	B	5.23	B	0.003	0.008	0	0	0	0	---	---	7
8	---	---	0	B	7.44	B	0.002	0.018	0	0	0	0	---	---	8
9	---	---	0	B	10.0		0.015	0.002	0	0	0	0	---	---	9
10	---	---	0	B	9.55		0.026	0	0.001	0	0	0	---	---	10
11	---	---	0	B	11.7		0.028	0	0	0	0	0	---	---	11
12	---	---	0	B	8.49		0.032	0.007	0	0	0	0	---	---	12
13	---	---	0	B	2.94		0.052	0.018	0	0	0	0	---	---	13
14	---	---	0	B	1.80		0.081	0.011	0	0	0	0	---	---	14
15	---	---	0	B	1.73		0.142	0.006	0	0	0	0	---	---	15
16	---	---	0	B	1.61		0.328	0	0	0	0	0	---	---	16
17	---	---	0	B	1.18		0.317	0	0	0	0	0	---	---	17
18	---	---	0	B	1.19		0.308	0	0	0	0	0	---	---	18
19	---	---	0	B	1.14		0.314	0	0	0	0	0	---	---	19
20	---	---	0	B	0.800		0.213	0	0	0	0	0	---	---	20
21	---	---	0	B	0.550		0.207	0	0	0	0	0	---	---	21
22	---	---	0	B	0.383		0.143	0	0	0	0	0	---	---	22
23	---	---	0	B	0.242		0.081	0	0	0	0	0	---	---	23
24	---	---	0	B	0.155		0.057	0	0	0	0	0	---	---	24
25	---	---	0	B	0.105		0.033	0	0	0	0	0	---	---	25
26	---	---	0	B	0.077		0.023	0	0	0	0	0	---	---	26
27	---	---	0	B	0.058		0.018	0	0	0	0	0	---	---	27
28	---	---	0	B	0.041		0.013	0	0	0	0	0	---	---	28
29	---		0	B	0.031		0.007	0	0	0	0	0	---	---	29
30	---		0.3618		0.025		0.004	0	0	0	0	0	---	---	30
31	---		2.82	B			0.003		0	0		0	---	---	31
TOTAL	---	---	3.181		91.547		2.508	0.099	0.001	0	0	0	---	---	TOTAL
MEAN	---	---	0.103		3.05		0.081	0.003	0	0	0	0	---	---	MEAN
MAX	---	---	2.82		11.7		0.328	0.025	0.001	0	0	0	---	---	MAX
MIN	---	---	0		0.025		0.002	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.387
MAXIMUM DAILY, 11.7 ON APR 11
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
14.1 AT 16:45 CST ON APR 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 29 02 N
LONG 104 20 11 W
DRAINAGE AREA, 528 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0.03
FEB	---	AUG	0
MAR	275	SEP	0
APR	7 810	OCT	0
MAY	217	NOV	---
JUN	8.55	DEC	---

TOTAL DISCHARGE, 8 410 dam³

GIRARD CREEK NEAR CORONACH - STATION NO. 11AD015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.289	0.261	0.116	0.130	0.122	0.104	0.101	0.107	0.112A	---	1
2	---	---	0.265	0.253	0.124A	0.124	0.125	0.102	0.100	0.103	---	---	2
3	---	---	0.246	0.232	0.113A	0.124	0.123	0.101	0.100	0.103	---	---	3
4	---	---	0.245	0.210	0.120	0.122	0.121	0.101	0.107	0.100	---	---	4
5	---	---	0.223	0.194	0.123	0.127	0.118	0.101	0.100	0.098	---	---	5
6	---	---	0.195	0.181	0.125	0.125	0.117	0.104	0.106	0.102	---	---	6
7	---	---	0.176	0.167	0.121	0.123	0.112	0.101	0.100	0.104	---	---	7
8	---	---	0.179	0.267	0.121	0.124	0.114	0.102	0.097	0.103	---	---	8
9	---	---	0.175	0.210	0.121	0.117	0.117	0.105	0.107	0.104	---	---	9
10	---	---	0.169	0.170	0.126A	0.124	0.127	0.104	0.092	0.104	---	---	10
11	---	---	0.166	0.152	0.143	0.123	0.131	0.105	0.091	0.102	---	---	11
12	---	---	0.160	0.140	0.149	0.126	0.124	0.101	0.088	0.101	---	---	12
13	---	---	0.162	0.126	0.157	0.150	0.112	0.100	0.090	0.104	---	---	13
14	---	---	0.158	0.131	0.164	0.125	0.109	0.105	0.092	0.105	---	---	14
15	---	---	0.179	0.127	0.172	0.120	0.108	0.107	0.092	0.108	---	---	15
16	---	---	0.176	0.125	0.166	0.126	0.104	0.110	0.091	0.105	---	---	16
17	---	0.220A	0.156	0.124	0.161	0.123	0.103	0.100	0.091	0.099	---	---	17
18	---	0.240	0.144	0.125	0.164	0.127	0.103	0.114	0.089	0.104	---	---	18
19	---	0.256	0.140	0.128	0.162	0.123	0.108	0.118	0.089	0.104	---	---	19
20	---	0.234	0.139	0.126	0.155	0.116	0.107	0.121	0.089	0.101	---	---	20
21	---	0.206	0.140	0.132	0.143	0.118	0.108	0.118	0.093	0.092	---	---	21
22	---	0.206	0.137	0.125	0.138	0.114	0.102	0.126	0.091	0.097	---	---	22
23	---	0.201	0.142	0.121	0.132	0.122	0.101	0.123	0.089	0.095	---	---	23
24	---	0.208	0.148	0.117	0.123	0.121	0.100	0.120	0.093	0.094	---	---	24
25	---	0.242	0.147	0.117	0.131	0.128	0.100	0.116	0.092	0.097	---	---	25
26	---	0.217	0.147	0.116	0.130	0.123	0.102	0.116	0.096	0.104	---	---	26
27	---	0.256	0.150	0.116	0.120	0.124	0.102	0.117	0.096	0.102	---	---	27
28	---	0.266	0.161	0.113	0.120	0.122	0.104	0.113	0.098	0.121	---	---	28
29	---	---	0.180	0.118	0.120	0.122	0.104	0.103	0.099	0.106	---	---	29
30	---	---	0.162	0.116	0.126	0.129	0.105	0.107	0.107	0.107	---	---	30
31	---	---	0.202		0.121		0.104	0.106		0.107		---	31
TOTAL	---	---	5.504	4.883	4.275	3.822	3.444	3.291	2.900	3.165	---	---	TOTAL
MEAN	---	---	0.178	0.169	0.138	0.127	0.111	0.109	0.097	0.103	---	---	MEAN
MAX	---	---	0.289	0.267	0.167	0.166	0.127	0.126	0.107	0.121	---	---	MAX
MIN	---	---	0.137	0.113	0.113	0.114	0.100	0.101	0.088	0.092	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.127
MAXIMUM DAILY, 0.289 ON MAR 1
MINIMUM DAILY, 0.088 ON SEP 12
MAXIMUM INSTANTANEOUS,
0.415 AT 05:50 CST ON FEB 28

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 06 45 N
LONG 105 33 03 W
DRAINAGE AREA, 880 km²
A - MANUAL GAUGE

REGULATED

REMARKS - THE MAXIMUM INSTANTANEOUS DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	286
FEB	---	AUG	283
MAR	475	SEP	251
APR	406	OCT	275
MAY	369	NOV	---
JUN	330	DEC	---

TOTAL DISCHARGE, 2 700 dam³

GOOD SPIRIT LAKE NEAR CANORA - STATION NO. 05MB010

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	484.850	484.855	---	---	---	---	---	---	1
2	---	---	---	---	484.862	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	484.930	---	484.762	---	---	3
4	---	---	---	---	484.860	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	484.911	---	484.831	---	---	---	5
6	---	---	---	---	484.864	---	484.913	---	484.825	---	---	---	6
7	---	---	---	---	---	484.881	---	---	---	---	---	---	7
8	---	---	---	---	484.868	484.891	---	484.910	484.801	484.744	---	---	8
9	---	---	---	---	---	484.897	---	---	---	---	484.724	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	484.907	---	---	---	---	11
12	---	---	---	---	---	484.901	484.927	---	484.800	484.746	---	---	12
13	---	---	---	---	484.776	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	484.893	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	484.784	484.905	484.933	---	---	---	---	---	16
17	---	---	---	---	484.806	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	484.861	---	---	---	---	18
19	---	---	---	---	---	484.905	484.920	---	---	484.727	---	---	19
20	---	---	---	---	484.822	---	---	---	---	---	---	---	20
21	---	---	---	---	---	484.897	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	484.851	484.758	---	---	---	22
23	---	---	---	---	484.844	---	---	---	---	---	---	---	23
24	---	---	---	---	484.834	---	484.941	484.843	---	---	---	---	24
25	---	---	---	---	484.8382	484.903	---	---	484.753	---	---	---	25
26	---	---	---	---	484.889	---	---	---	---	484.728	---	---	26
27	---	---	---	---	484.887	484.897	---	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	484.751	---	---	---	28
29	---		---	---	---	---	---	484.847	---	---	---	---	29
30	---		---	---	---	484.941	484.941	484.841	---	484.724	---	---	30
31	---		---		484.857		---	---		484.723		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MAXIMUM DAILY, 484.951 ON JUL 30

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 39 09 N
LONG 102 39 22 W
DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

E - ESTIMATED
NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

GOOSEHUNTING CREEK NEAR BEATTY - STATION NO. 05KA000

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	1.42	0.076	0.048	0.504	0	0	---	---	1
2	---	---	0B	0 B	1.33	0.056	0.056	0.521	0	0	---	---	2
3	---	---	0B	0 B	1.17	0.044	0.106	0.515	0	0	---	---	3
4	---	---	0B	0 B	1.38	0.030	0.101	0.486	0	0	---	---	4
5	---	---	0B	0 B	1.20	0.023	0.065	0.420	0	0	---	---	5
6	---	---	0B	0 B	1.17	0.015	0.083	0.340	0	0	---	---	6
7	---	---	0B	0 B	0.865	0.012	0.051	0.256	0	0	---	---	7
8	---	---	0B	0 B	0.575	0.009	0.005	0.177	0	0	---	---	8
9	---	---	0B	0 B	0.485	0.006	0.004	0.110	0	0	---	---	9
10	---	---	0B	0 B	0.402	0.004	0.005	0.040	0	0	---	---	10
11	---	---	0B	0 B	0.372	0.002	0.014	0.015	0	0	---	---	11
12	---	---	0B	0 B	0.327	0.002	0.070	0.006	0	0	---	---	12
13	---	---	0B	0 B	0.348	0.002	0.174	0.002	0	0	---	---	13
14	---	---	0B	0 B	0.406	0.002	0.282	0	0	0	---	---	14
15	---	---	0B	0.0218	0.361	0.001	0.356	0	0	0	---	---	15
16	---	---	0B	0.0018	0.352	0.002	0.356	0	0	0	---	---	16
17	---	---	0B	0.0018	0.376	0.002	0.327	0	0	0	---	---	17
18	---	---	0B	0.1688	0.471	0.001	0.295	0	0	0	---	---	18
19	---	---	0B	0.8128	0.621	0.001	0.281	0	0	0	---	---	19
20	---	---	0B	2.96 B	0.555	0	0.226	0	0	0	---	---	20
21	---	---	0B	5.97 B	0.486	0	0.223	0	0	0	---	---	21
22	---	---	0B	6.81	0.397	0	0.192	0	0	0	---	---	22
23	---	---	0B	5.80	0.346	0	0.186	0	0	0	---	---	23
24	---	---	0B	4.48	0.296	0.001	0.142	0	0	0	---	---	24
25	---	---	0B	3.17	0.281	0.002	0.139	0	0	0	---	---	25
26	---	---	0B	2.57	0.224	0.002	0.120	0	0	0	---	---	26
27	---	---	0B	2.31	0.190	0.004	0.081	0	0	0	---	---	27
28	---	---	0B	2.03	0.161	0.012	0.081	0	0	0	---	---	28
29	---		0B	1.88	0.135	0.022	0.193	0	0	0	---	---	29
30	---		0B	1.66	0.113	0.041	0.304	0	0	0	---	---	30
31	---		0B		0.095		0.488	0		0		---	31
TOTAL	---	---	0	40.641	16.898	0.376	5.087	3.401	0	0	---	---	TOTAL
MEAN	---	---	0	1.35	0.545	0.013	0.164	0.110	0	0	---	---	MEAN
MAX	---	---	0	6.81	1.42	0.076	0.488	0.521	0	0	---	---	MAX
MIN	---	---	0	0	0.095	0	0.004	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.271
MAXIMUM DAILY, 6.81 ON APR 22
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
7.11 AT 12:30 CST ON APR 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 54 28 N
LONG 104 50 15 W
DRAINAGE AREA, 510 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	440
FEB	---	AUG	294
MAR	0	SEP	0
APR	3 510	OCT	0
MAY	1 460	NOV	---
JUN	32.5	DEC	---

TOTAL DISCHARGE, 5 740 dam³

REMARKS - STATION MOVED ABOUT 3 km UPSTREAM IN OCTOBER 1982

GREASE RIVER BELOW FONTAINE LAKE - STATION NO. 07LE003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	22.2	21.8	20.3	18.5	17.9	24.2	39.9	41.1	34.7	26.8	24.0	22.7	1
2	22.1	21.7	20.3	18.5	17.8	24.5	39.8	41.1	34.3	26.4	23.8	22.6	2
3	22.2	21.5	20.3	18.5	17.8	24.9	39.3	40.9	34.2	26.0	23.7	22.7	3
4	22.3	21.4	20.4	18.4	17.8	25.4	38.5	40.7	33.7	26.0	23.7	22.5	4
5	22.3	21.3	20.3	18.3	17.8	25.6	37.9	40.3	33.4	26.0	23.7	22.5	5
6	22.1	21.3	20.2	18.4	17.4	26.2	37.6	39.7	33.1	25.8	23.7	22.5	6
7	22.1	21.2	20.3	18.6	17.5	27.3	37.2	39.6	33.1	25.7	23.6	22.5	7
8	22.3	21.1	20.2	18.3	17.8	28.8	36.7	39.5	32.9	25.5	23.5	22.4	8
9	22.5	21.4	20.1	18.4	17.9	29.4	36.3	39.9	32.5	25.4	23.2	22.3	9
10	22.2	21.2	20.3	18.4	17.9	30.1	36.0	39.7	32.1	25.3	23.2	22.2	10
11	22.1	20.9	20.3	18.4	18.0	30.8	35.6	39.5	31.6	25.1	23.1	22.3	11
12	22.1	21.0	20.2	18.4	18.1	32.0	35.1	39.5	31.5	24.9	23.1	22.3	12
13	21.9	20.8	19.9	18.3	18.3	33.6	35.0	39.3	31.1	24.9	23.2	22.3	13
14	22.0	20.8	19.8	18.4	18.3	35.1	34.4	38.5	30.7	24.8	23.1	22.0	14
15	22.1	20.6	19.9	18.2	18.4	35.9	34.6	37.7	30.6	25.0	23.1	22.1	15
16	22.1	20.7	19.9	18.1	18.7	36.6	35.3	37.2	30.5	24.9	23.1	22.0	16
17	22.0	20.7	19.8	18.1	18.9	37.6	35.5	37.1	30.5	24.7	23.1	21.8	17
18	22.0	20.5	19.7	18.1	19.0	38.1	36.7	36.6	30.5	24.5	23.1	21.7	18
19	22.0	20.5	19.6	18.0	19.2	38.7	36.7	36.3	30.2	24.4	23.0	21.5	19
20	21.9	20.5	19.6	17.9	20.0	39.0	37.2	36.6	29.6	24.5	23.0	21.5	20
21	21.8	20.5	19.5	18.0	20.7	39.7	37.2	35.9	29.1	24.6	23.0	21.7	21
22	21.8	20.5	19.4	18.1	21.0	40.1	37.3	35.8	28.7	24.4	22.9	22.0	22
23	21.8	20.5	19.3	18.2	20.8	40.6	37.3	35.6	28.8	24.4	22.9	21.7	23
24	21.8	20.4	19.2	18.4	20.8	40.8	37.8	35.6	28.5	24.3	22.8	21.8	24
25	21.8	20.6	19.0	18.4	21.1	40.7	37.6	35.6	28.3	24.2	22.8	21.8	25
26	21.8	20.4	18.9	18.2	22.1	40.3	37.9	35.5	28.1	24.1	22.8	21.7	26
27	21.8	20.3	18.9	18.1	22.6	40.3	38.6	35.3	28.0	24.2	22.8	21.7	27
28	21.7	20.3	18.8	18.0	22.9	40.2	39.2	35.4	27.8	24.2	22.8	21.4	28
29	21.8		18.6	17.9	23.1	40.5	38.7	35.3	27.4	24.2	22.7	21.4	29
30	21.7		18.6	18.0	23.5	40.3	39.1	34.9	27.0	24.1	22.7	21.3	30
31	21.7		18.5		23.9		40.3	34.8		24.1		21.2	31
TOTAL	682.4	584.3	610.3	547.3	606.1	1 027.7	1 157.5	1 170.6	922.3	773.3	695.2	682.4	TOTAL
MEAN	22.0	20.9	19.7	18.2	19.6	34.3	37.3	37.8	30.7	24.9	23.2	22.0	MEAN
MAX	22.5	21.7	20.4	18.6	23.9	40.8	40.3	41.1	34.7	26.8	24.0	22.7	MAX
MIN	21.7	20.3	18.5	17.9	17.4	24.2	34.4	34.8	27.0	24.1	22.7	21.2	MIN

SUMMARY FOR THE YEAR 1983

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 25.8
MAXIMUM DAILY, 41.1 ON AUG 1
MINIMUM DAILY, 17.4 ON MAY 6
MAXIMUM INSTANTANEOUS,
41.3 AT 15:42 CST ON AUG 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 59 22 50 N
LONG 106 24 40 W
DRAINAGE AREA, 4 840 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	59 000	JUL	100 000
FEB	50 500	AUG	101 000
MAR	52 700	SEP	79 700
APR	47 300	OCT	66 800
MAY	52 400	NOV	60 100
JUN	88 800	DEC	59 000

TOTAL DISCHARGE, 817 000 dam³

[illegible] RESERVOIR NEAR [illegible] - STATION NO. [illegible]

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	644.277	645.243	644.993	644.821	644.817	644.571	644.378	644.267	644.265	---	1
2	---	---	644.277	645.166	644.992	644.816	644.824	644.567	644.360	644.267	644.264	---	2
3	---	---	644.278	645.160	644.889	644.807	644.866	644.560	644.355	[illegible]	644.263A	---	3
4	---	---	644.280	645.075	644.887	644.801	644.877	644.554	644.345	644.252	---	---	4
5	---	---	644.281	645.046	644.884	644.797	644.876	644.545	644.330	644.260	---	---	5
6	---	---	644.282	645.020	644.890	644.793	644.873	644.540	644.330	644.265	---	---	6
7	---	---	644.282	645.006	644.882	644.785	644.867	644.526	644.324	644.251	---	---	7
8	---	---	644.282	644.993	644.880	644.780	644.864	644.516	644.318	644.252	---	---	8
9	---	---	644.283	644.979	644.872	644.775	644.862	644.516	644.316	644.249	---	---	9
10	---	---	644.282	644.975	644.869	644.766	644.860	644.505	644.315	644.245	---	---	10
11	---	---	644.483	644.963	644.883	644.756	644.858	644.500	644.313	644.241	---	---	11
12	---	---	644.695	644.957	644.881	644.747	644.862	644.486	644.312	644.241	---	---	12
13	---	---	644.835	644.951	644.880	[illegible]	644.857	644.486	644.300	644.240	---	---	13
14	---	---	644.862	644.949	644.880	644.723	644.851	644.481	644.297	644.237	---	---	14
15	---	644.366A	645.016	644.946	644.884	644.727	[illegible]	644.471	644.300	644.235	---	---	15
16	---	644.367	645.028	644.945	644.887	644.720	644.830	644.470	644.300	644.232	---	---	16
17	---	644.363	645.020	644.941	644.887	644.712	644.837	[illegible]	644.300	644.230	---	---	17
18	---	644.363	645.010	644.930	644.883	644.702	644.834	644.454	644.296	644.229	---	---	18
19	---	644.363	645.002	644.926	644.879	644.694	644.839	644.446	644.291	644.226	---	---	19
20	---	644.364	644.995	644.921	644.877	644.680	644.834	644.443	[illegible]	644.225	---	---	20
21	---	644.363	644.987	644.920	644.873	644.674	644.842	644.434	644.283	644.222	---	---	21
22	---	644.363	644.981	644.920	644.869	644.669	644.836	644.427	644.280	644.223	---	---	22
23	---	644.363	644.978	644.918	644.869	644.666	644.829	644.423	644.280	644.218	---	---	23
24	---	644.364	644.976	644.917	644.865	644.664	644.823	644.417	644.277	644.216	---	---	24
25	---	644.366	644.971	644.916	644.865	644.663	644.818	644.411	644.277	644.217	---	---	25
26	---	644.374	644.965	644.922	644.860	644.641	644.810	644.406	644.276	644.215	---	---	26
27	---	644.376	644.976	644.917	644.852	644.636	644.800	644.401	644.250	644.209	---	---	27
28	---	644.376	645.004	644.913	644.844	644.629	644.792	644.392A	644.261	644.206	---	---	28
29	---		645.235	644.912	644.839	644.623	644.780	644.387A	644.257	644.206	---	---	29
30	---		645.453	644.900	644.829	644.621	644.782	644.382	644.256	644.207	---	---	30
31	---		645.366		644.829		644.774	644.375		644.205		---	31
MEAN	---	---	644.806	644.975	644.878	644.721	644.837	644.470	644.304	644.232	---	---	MEAN
MAX	---	---	645.453	645.243	644.993	644.821	644.877	644.571	644.378	644.267	---	---	MAX
MIN	---	---	644.277	644.900	644.829	644.621	644.774	644.375	644.256	644.205	---	---	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

A - MANUAL GAUGE

MAXIMUM DAILY, 645.453 ON MAR 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 17 51 N
LONG 106 27 13 W

MAXIMUM INSTANTANEOUS,
645.473 AT 10:30 CST ON MAR 30

REGULATED SINCE 1960

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

GREENWATER LAKE NEAR CHELAN - STATION NO. 05LD011

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	632.763	---	632.721	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	632.806	---	---	---	---	3
4	---	---	---	---	---	632.761	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	632.801	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	632.767	632.765	---	632.777	---	---	---	7
8	---	---	---	---	---	---	---	---	632.777	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	632.763	632.806	632.805	---	632.743	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	632.763	---	632.843	---	---	---	---	12
13	---	---	---	---	---	---	632.860	632.845	632.761	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	632.770	---	---	---	15
16	---	---	---	---	632.761	632.767	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	632.726	---	---	17
18	---	---	---	---	---	632.765	---	---	---	---	---	---	18
19	---	---	---	---	---	---	632.863	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	632.825	---	632.725	---	---	21
22	---	---	---	---	632.773	---	---	---	---	---	---	---	22
23	---	---	---	---	---	632.763	632.871	---	---	---	---	---	23
24	---	---	---	---	---	---	632.867	632.815	---	---	---	---	24
25	---	---	---	---	---	632.765	---	---	---	---	---	---	25
26	---	---	---	---	632.767	---	---	632.800	---	---	---	---	26
27	---	---	---	---	---	---	632.887	632.802	632.758	632.710	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	632.765	---	632.889	---	632.710	---	---	---	29
30	---		---	---	---	632.765	632.889	---	---	---	---	---	30
31	---		---		---		---	632.793		632.710		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MAXIMUM DAILY, 632.889 ON JUL 29

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 29 44 N
LONG 103 31 30 W
DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

GREIG LAKE NEAR DORINTOSH - STATION NO. 06AF010

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	475.702	---	475.867	---	---	---	---	1
2	---	---	---	---	---	---	---	475.867	---	---	475.736	---	2
3	---	---	---	---	---	---	---	475.860	---	---	---	---	3
4	---	---	---	---	---	475.781	475.820	475.867	---	---	---	---	4
5	---	---	---	---	---	475.781	---	475.866	---	---	---	---	5
6	---	---	---	---	---	475.781	475.861	475.859	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	475.782	---	475.848	---	---	---	---	8
9	---	---	---	---	---	475.780	---	475.847	---	---	---	---	9
10	---	---	---	---	---	475.780	---	475.846	---	---	---	---	10
11	---	---	---	---	---	---	---	475.843	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	475.861	---	---	---	---	---	13
14	---	---	---	---	---	---	---	475.833	---	---	---	---	14
15	---	---	---	---	---	475.783	---	475.829	---	---	---	---	15
16	---	---	---	---	---	475.781	475.867	475.826	---	---	---	---	16
17	---	---	---	---	---	475.781	---	---	---	---	---	---	17
18	---	---	---	---	---	475.780	---	---	---	---	---	---	18
19	---	---	---	---	---	475.780	---	475.810	---	---	---	---	19
20	---	---	---	---	---	475.771	475.871E	475.800	---	---	---	---	20
21	---	---	---	---	---	475.773	475.873E	---	---	---	---	---	21
22	---	---	---	---	---	---	---	475.803	---	---	---	---	22
23	---	---	---	---	---	475.771	---	475.801	---	---	---	---	23
24	---	---	---	---	---	---	---	475.780	---	---	---	---	24
25	---	---	---	---	---	---	---	475.780	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	475.821	---	475.781	---	---	---	---	27
28	---	---	---	---	---	---	---	475.780	---	---	---	---	28
29	---		---	---	---	475.820	475.803	475.780	---	---	---	---	29
30	---		---	---	---	---	---	475.781	---	---	---	---	30
31	---		---		---		475.803	475.780		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MAXIMUM DAILY, 475.873E ON JUL 21

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 37 10 N
LONG 108 41 30 W
DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

HAPPYLAND CREEK NEAR FOX VALLEY - STATION NO. 05HD003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0	0	0	0	---	---	1
2	---	---	0	0	0	0	0	0	0	0	---	---	2
3	---	---	0	0	0	0	0	0	0	0	---	---	3
4	---	---	0.001	0	0	0	0	0	0	0	---	---	4
5	---	---	0.001	0	0	0	0	0	0	0	---	---	5
6	---	---	0.001	0	0	0	0	0	0	0	---	---	6
7	---	---	0	0	0	0	0	0	0	0	---	---	7
8	---	---	0	0	0	0	0	0	0	0	---	---	8
9	---	---	0.001	0	0	0	0	0	0	0	---	---	9
10	---	---	0.001	0	0	0	0	0	0	0	---	---	10
11	---	---	0.001	0	0	0	0	0	0	0	---	---	11
12	---	---	0.001	0	0	0	0	0	0	0	---	---	12
13	---	---	0.001	0	0	0	0	0	0	0	---	---	13
14	---	---	0	0	0	0	0	0	0	0	---	---	14
15	---	0 B	0	0	0	0	0	0	0	0	---	---	15
16	---	0 B	0	0	0	0	0	0	0	0	---	---	16
17	---	0	0	0	0	0	0	0	0	0	---	---	17
18	---	0.001	0	0	0	0	0	0	0	0	---	---	18
19	---	0.001	0	0	0	0	0.002	0	0	0	---	---	19
20	---	0.001	0	0	0	0	0.001	0	0	0	---	---	20
21	---	0.001	0	0	0	0	0	0	0	0	---	---	21
22	---	0.001	0	0	0	0	0	0	0	0	---	---	22
23	---	0.001	0	0	0	0	0	0	0	0	---	---	23
24	---	0.001	0	0	0	0	0	0	0	0	---	---	24
25	---	0.001	0	0	0	0	0	0	0	0	---	---	25
26	---	0.001	0	0	0	0	0	0	0	0	---	---	26
27	---	0.001	0	0	0	0	0	0	0	0	---	---	27
28	---	0.001	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	0.008	0	0	0	0.003	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.001	0	0	0	0.002	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0.002 ON JUL 19
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.005 AT 23:41 CST ON JUL 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 43 07 N
LONG 108 22 37 W
DRAINAGE AREA, 84.8 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN ---	JUL 0.26
FEB ---	AUG 0
MAR 0.69	SEP 0
APR 0	OCT 0
MAY 0	NOV ---
JUN 0	DEC ---

TOTAL DISCHARGE, 0.95 dam³

HARRIS RESERVOIR NEAR MAPLE CREEK - STATION NO. 05HA074

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	855.112	855.930	856.057	856.756	856.666	856.824E	856.374	856.187	855.994	---	1
2	---	---	855.123	855.950	856.063	856.752	856.656	856.800E	856.360	856.185	855.994A	---	2
3	---	---	855.132	855.961	856.067	856.748	856.661	856.772E	856.349	856.184	---	---	3
4	---	---	855.132	855.971	856.073	856.750	856.676	856.752E	856.346	856.180	---	---	4
5	---	---	855.137	855.979	856.075	856.745	856.674	856.725E	856.335	856.183	---	---	5
6	---	---	855.128	855.983	856.075	856.746	856.671	856.697E	856.329	856.140	---	---	6
7	---	---	855.130	855.986	856.075	856.740	856.668	856.670E	856.324	856.118	---	---	7
8	---	---	855.141	855.984	856.072	856.736	856.662	856.641E	856.318	856.088	---	---	8
9	---	---	855.146	855.990	856.070	856.733	856.651	856.619E	856.314	856.080	---	---	9
10	---	---	855.152	856.004	856.112	856.727	856.671	856.593E	856.308	856.059	---	---	10
11	---	---	855.372	856.007	856.128	856.721	856.742A	856.572E	856.306	856.052	---	---	11
12	---	---	855.486	856.011	856.144	856.723	856.815A	856.554E	856.303	856.050	---	---	12
13	---	---	855.536	856.018	856.170	856.719	856.828	856.530E	856.300	856.053	---	---	13
14	---	---	855.581	856.020	856.206	856.714	856.825	856.522E	856.290	856.048	---	---	14
15	---	855.077A	855.573	856.022	856.284	856.711	856.821	856.504E	856.287	856.042	---	---	15
16	---	855.086	855.604	856.023	856.303	856.703	856.812	856.488A	856.284	856.040	---	---	16
17	---	855.080	855.607	856.028	856.484	856.700	856.809	856.477E	856.279	856.041	---	---	17
18	---	855.094	855.610	856.026	856.646	856.696	856.808	856.468E	856.283	856.038	---	---	18
19	---	855.081	855.615	856.041	856.778	856.691	856.814E	856.461E	856.264	856.036	---	---	19
20	---	855.086	855.617	856.047	856.841	856.679	856.840E	856.453E	856.263	856.034	---	---	20
21	---	855.093	855.618	856.052	856.870	856.671	856.960A	856.444E	856.241	856.033	---	---	21
22	---	855.093	855.614	856.051	856.910	856.674	857.030A	856.436E	856.232	856.031	---	---	22
23	---	855.095	855.617	856.052	856.926	856.667	857.042	856.426E	856.223	856.025	---	---	23
24	---	855.101	855.614	856.053	856.926	856.664	857.031E	856.418A	856.220	856.023	---	---	24
25	---	855.098	855.617	856.050	856.915	856.655	857.010E	856.400	856.215	856.019	---	---	25
26	---	855.094	855.617	856.057	856.905	856.649	856.980E	856.407	856.216	856.020	---	---	26
27	---	855.101	855.618	856.055	856.886	856.646	856.955E	856.402	856.208	856.012	---	---	27
28	---	855.106	855.624	856.055	856.880	856.643	856.930E	856.386	856.202	856.007	---	---	28
29	---		855.654	856.060	856.823	856.656	856.903E	856.383	856.196	856.008	---	---	29
30	---		855.737	856.062	856.774	856.658	856.878E	856.380	856.193	856.005	---	---	30
31	---		855.856		856.765		856.851E	856.383		856.001		---	31
MEAN	---	---	855.495	856.018	856.484	856.703	856.819	856.537	856.277	856.066	---	---	MEAN
MAX	---	---	855.856	856.062	856.926	856.756	857.042	856.824	856.374	856.187	---	---	MAX
MIN	---	---	855.112	855.930	856.057	856.643	856.651	856.383	856.193	856.001	---	---	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MAXIMUM DAILY, 857.042 ON JUL 23

MAXIMUM INSTANTANEOUS,
857.046 AT 19:03 CST ON JUL 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 49 03 N
LONG 109 30 25 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO PRAIRIE FARM REHABILITATION ADMINISTRATION DATUM

HAULTAIN RIVER ABOVE NORBERT RIVER - STATION NO. 06BD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	8.870	8.920	8.240	7.480	25.5	29.8	29.9	17.8	11.2	14.8	14.0	9.310	1
2	8.720	8.750	8.120	7.430	26.0	33.8	28.5	17.3	11.2	14.8	13.9	8.920	2
3	8.830	8.580	8.060	7.480	26.0	30.8	27.5	17.4	11.5	14.7	13.3	8.740	3
4	9.230	8.400	8.160	7.670	25.6	34.1	26.3	17.0	12.0	14.8	13.6	8.380	4
5	9.260	8.240	8.120	7.610	25.7	38.2	25.2	16.9	12.4	15.1	14.1	8.120	5
6	9.320	8.000	7.960	7.560	25.5	41.5	24.5	16.8	12.3	15.1	14.2	8.100	6
7	9.400	7.980	7.900	7.560	25.8	44.0	23.9	16.3	12.2	15.0	14.1 B	7.880	7
8	9.610	8.220	7.980	8.130	26.2	46.2	23.0	16.6	12.4	14.9	13.6 B	7.760	8
9	9.720	8.110	7.920	8.520	25.7	48.0	22.5	16.5	12.4	14.8	11.8 B	7.710	9
10	9.290	8.140	7.640	8.330	26.1	52.4	22.0	16.1	12.3	14.6	12.7 B	7.480	10
11	9.290	8.280	7.640	8.190	25.7	55.9	21.2	14.7	12.0	14.6	12.2 B	7.380	11
12	9.100	8.620	7.900	7.620	25.5	57.6	20.5	14.7	11.9	14.5	13.6 B	6.880	12
13	9.340	8.600	8.340	7.680	25.0	58.3	20.2	14.6	11.9	14.5	13.1 B	6.680	13
14	9.270	8.770	8.510	7.680	24.8	58.1	19.7	14.5	11.7	14.5	12.6 B	6.610	14
15	9.210	8.720	8.360	7.480	24.4	56.6	19.1	13.9	11.4	14.6	12.7 B	6.770	15
16	9.270	8.580	8.150	7.370	24.3	55.0	18.5	13.8	11.7	15.0	12.5 B	6.610	16
17	9.150	8.340	8.085	7.620	24.3	52.9	18.1	13.2	12.3	14.9	12.0 B	6.610	17
18	9.150	8.420	8.000	7.390	24.4	50.5	18.0	13.0	12.1	14.2	11.7 B	6.220	18
19	9.000	8.380	7.640	7.510	24.2	48.3	18.0	13.3	12.8	14.3	12.1 B	5.980	19
20	9.000	8.460	7.680	8.370	24.1	46.7	17.8	13.2	14.2	14.9	13.3 B	6.060	20
21	9.070	8.720	7.640	9.820	24.0	44.8	17.4	13.1	14.5	15.2	11.6 B	6.120	21
22	9.240	8.800	7.300	11.8 B	23.6	42.9	17.1	13.0	14.8	14.8	12.0 B	6.380	22
23	9.230	8.880	7.380	16.8 B	23.1	41.0	16.8	12.7	14.9	14.7	11.3 B	6.880	23
24	9.180	8.900	7.300	18.9 B	22.7	38.3	16.2	12.4	15.0	14.6	11.4 B	6.700	24
25	9.070	8.620	7.350	31.4 B	22.3	37.7	16.0	12.3	15.3	14.5	11.0 B	6.620	25
26	8.990	8.860	7.180	30.1	22.0	36.0	15.8	12.2	15.2	14.3	10.6 B	6.700	26
27	8.730	8.260	7.150	28.6	21.7	34.4	16.7	12.0	15.3	14.3	11.0 B	6.680	27
28	8.720	8.240	7.189	27.9	21.1	33.1	17.3	11.8	15.3	14.2	10.7 B	6.680	28
29	8.750		7.270	27.3	20.5	32.1	17.9	11.6	15.1	14.0	10.2 B	6.620	29
30	8.810		7.580	25.9	19.6	31.3	18.1	11.5	15.0	13.7	9.860 B	6.630	30
31	8.890		7.610		19.5		18.0	11.4		13.6		6.610	31
TOTAL	283.13	237.28	241.58	381.66	746.7	1 289.9	630.8	438.4	394.6	452.6	369.66	221.35	TOTAL
MEAN	9.13	8.48	7.79	12.7	24.1	43.0	20.3	14.1	13.2	14.6	12.3	7.14	MEAN
MAX	9.72	8.92	8.51	31.4	26.2	58.3	29.9	17.8	15.3	15.2	14.2	9.31	MAX
MIN	8.72	7.98	7.15	7.37	19.5	29.8	15.7	11.4	11.2	13.6	9.86	5.98	MIN

SUMMARY FOR THE YEAR 1983

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 15.6
MAXIMUM DAILY, 58.3 ON JUN 13
MINIMUM DAILY, 5.980 ON DEC 19
MAXIMUM INSTANTANEOUS,
58.5 AT 13:40 CST ON JUN 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 14 40 N
LONG 106 33 40 W
DRAINAGE AREA, 3 680 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	24 500	JUL	54 500
FEB	20 500	AUG	37 900
MAR	20 900	SEP	34 100
APR	33 000	OCT	39 100
MAY	64 500	NOV	31 900
JUN	111 000	DEC	19 100

TOTAL DISCHARGE, 491 000 dam³

MAY MEADOW CREEK NEAR LISIEUX - STATION NO 11AE010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0.0408	0.4318	0.427	0.078	0.040	0.026	0.022	E 0.018	0.030	0.043A	---	1
2	---	0.0408	0.2778	0.381	0.077	0.038	0.024	0.022	E 0.018	0.032	---	---	2
3	---	0.0408	0.1788	0.232	0.073	0.037	0.024	0.021	E 0.018	0.037	---	---	3
4	---	0.0408	0.1728	0.206	0.073	0.033	0.035	0.021	E 0.017	0.036	---	---	4
5	---	0.0408	0.1488	0.183	0.074	0.034	0.034	0.020	E 0.018	0.041	---	---	5
6	---	0.0408	0.0988	0.170	0.072	0.030	0.031	0.018	0.018	0.048	---	---	6
7	---	0.0408	0.0988	0.184	0.068	0.028	0.027	0.018	0.018	0.048	---	---	7
8	---	0.0408	0.0488	0.187	0.063	0.026	0.022	0.020	0.017	0.045	---	---	8
9	---	0.0408	0.0428	0.181	0.075	0.024	0.030	0.023	0.026	0.045	---	---	9
10	---	0.0408	0.0408	0.184	0.123	0.020	1.23	0.025	0.022	0.044	---	---	10
11	---	0.0408	0.2088	0.183	0.103	0.018	2.16	0.023	0.022	0.045	---	---	11
12	---	0.0408	0.2268	0.138	0.090	0.041	0.804	0.020	0.018	0.046	---	---	12
13	---	0.0408	0.2868	0.123	0.377	0.038	0.474	0.022	0.018	0.046	---	---	13
14	---	0.1008	0.2868	0.118	1.05	0.038	0.272	0.021	0.022	0.046	---	---	14
15	---	0.2868	0.2868	0.104	0.858	0.041	0.189	0.021	0.022	0.048	---	---	15
16	---	0.0408	0.2868	0.101	0.840	0.040	0.188	0.018	0.024	0.044	---	---	16
17	---	1.14 E	0.2278	0.107	0.587	0.042	0.087	0.018	0.020	0.044	---	---	17
18	---	0.0408	0.1488	0.106	0.384	0.040	0.048	0.018	0.017	0.045	---	---	18
19	---	0.7068	0.1218	0.108	0.282	0.034	0.035	0.018	0.018	0.045	---	---	19
20	---	0.8868	0.0768	0.114	0.177	0.029	0.033	0.018	0.018	0.048	---	---	20
21	---	0.6828	0.0468	0.114	0.131	0.028	0.038	0.018	0.018	0.052	---	---	21
22	---	0.4128	0.0288	0.118	0.104	0.028	0.037	0.027	0.017	0.053	---	---	22
23	---	0.4428	0.0218	0.137	0.085	0.024	0.036	0.031	0.020	0.054	---	---	23
24	---	0.5448	0.0228	0.124	0.074	0.024	0.037	0.032	0.021	0.054	---	---	24
25	---	0.4368	0.0288	0.104	0.068	0.021	0.036	0.030	0.023	0.048	---	---	25
26	---	0.4718	0.0278	0.100	0.062	0.019	0.032	0.027	0.024	0.046	---	---	26
27	---	0.4118	0.0388	0.100	0.057	0.021	0.026	0.028	0.029	0.044	---	---	27
28	---	0.4668	0.0668	0.087	0.053	0.023	0.024	0.025	0.023	0.043	---	---	28
29	---		1.10 E	0.081	0.045	0.025	0.021	0.024	0.024	0.042	---	---	29
30	---		1.56	0.080	0.044	0.026	0.022	0.024	0.029	0.042	---	---	30
31	---		1.06		0.042		0.023	0.023		0.043		---	31
TOTAL	---	8.268	7.868	4.432	6.428	0.910	8.307	0.685	0.801	1.388	---	---	TOTAL
MEAN	---	0.285	0.254	0.148	0.207	0.030	0.203	0.022	0.020	0.045	---	---	MEAN
MAX	---	1.14	1.56	0.427	1.05	0.043	2.16	0.032	0.029	0.054	---	---	MAX
MIN	---	0.040	0.021	0.080	0.042	0.018	0.021	0.014	0.015	0.030	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.117
MAXIMUM DAILY, 2.16 ON JUL 11
MINIMUM DAILY, 0.014 CN AUG 18
MAXIMUM INSTANTANEOUS,
4.11 AT 21 36 CST ON JUL 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 15 13 N
LONG 100 56 22 W
DRAINAGE AREA, 185 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	965
FEB	710	AUG	59.2
MAR	650	SEP	51.9
APR	383	OCT	120
MAY	555	NOV	---
JUN	78.6	DEC	---

TOTAL DISCHARGE, 2 470 dam³

REMARKS - SIGNIFICANT RUNOFF OCCURRED IN FEBRUARY, OUTSIDE THE STANDARD PERIOD

MUFF LAKE - STATION NO 11AC003

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	615.182	615.877	615.852	615.478	615.418	615.136	615.103	615.213	614.938	---	1
2	---	---	615.214	615.468	615.892	615.418	615.473	615.110	615.088	615.288	614.988	---	2
3	---	---	615.262	615.257	615.848	615.383	615.507	615.084	615.090	615.318	614.948A	---	3
4	---	---	615.309	615.436	615.844	615.383	615.517	615.089	615.088	615.357	---	---	4
5	---	---	615.356	615.808	615.822	615.283	615.532	615.088	615.081	615.387	---	---	5
6	---	---	615.397	615.863	615.788	615.245	615.545	615.080	615.073	615.408	---	---	6
7	---	---	615.420	615.895	615.752	615.243	615.555	615.070	615.068	615.428	---	---	7
8	---	---	615.441	615.772	615.728	615.261	615.555	615.072	615.068	615.441	---	---	8
9	---	---	615.464	615.758	615.718	615.278	615.545	615.080	615.078	615.458	---	---	9
10	---	---	615.488	615.782	615.781	615.308	615.548	615.101	615.078	615.478	---	---	10
11	---	---	615.508	615.793	615.778	615.330	615.553	615.105	615.074	615.487	---	---	11
12	---	---	615.532	615.794	615.824	615.380	615.582	615.104	615.085	615.505	---	---	12
13	---	---	615.558	615.788	615.851	615.383	615.588	615.107	615.087	615.515	---	---	13
14	---	---	615.585	615.784	615.886	615.372	615.572	615.112	615.085	615.527	---	---	14
15	---	---	615.620	615.784	615.887	615.382	615.570	615.120	615.082	615.540	---	---	15
16	---	---	615.656	615.776	615.907	615.387	615.620	615.120	615.088	615.550	---	---	16
17	---	---	615.682	615.787	615.875	615.382	615.588	615.132	615.072	615.581	---	---	17
18	---	---	615.705	615.765	615.828	615.388	615.585	615.133	615.067	615.580	---	---	18
19	---	---	615.695	615.757	615.804	615.404	615.615	615.126	615.061	615.593	---	---	19
20	---	---	615.698	615.781	615.779	615.402	615.705	615.129	615.060	615.598	---	---	20
21	---	---	615.647	615.782	615.772	615.387	615.735	615.127	615.065	615.610	---	---	21
22	---	---	615.687	615.811	615.758	615.387	615.685	615.127	615.068	615.583	---	---	22
23	---	---	615.660	615.828	615.805	615.385	615.644	615.128	615.078	615.615	---	---	23
24	---	615.687A	615.681	615.838	615.782	615.388	615.581	615.123	615.083	615.608	---	---	24
25	---	615.668	615.683	615.883	615.782	615.388	615.567	615.123	615.088	615.608	---	---	25
26	---	615.632	615.650	615.884	615.788	615.385	615.481	615.128	615.108	615.355	---	---	26
27	---	615.672	615.681	615.838	615.780	615.385	615.417	615.128	615.117	615.381	---	---	27
28	---	615.111	615.674	615.836	615.718	615.385	615.338	615.123	615.133	615.341	---	---	28
29	---		615.721	615.840	615.804	615.380	615.278	615.116	615.121	615.181	---	---	29
30	---		615.822	615.844	615.800	615.415	615.223	615.111	615.108	615.138	---	---	30
31	---		615.868		615.838		615.172	615.108		615.085		---	31
MEAN	---	---	615.587	615.739	615.788	615.383	615.588	615.110	615.082	615.422	---	---	MEAN
MAX	---	---	615.822	615.884	615.907	615.478	615.885	615.136	615.108	615.610	---	---	MAX
MIN	---	---	615.182	615.257	615.838	615.243	615.172	615.080	615.065	615.085	---	---	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MAXIMUM DAILY, 615.907 ON MAY 15

MAXIMUM INSTANTANEOUS,
615.910 AT 17:15 CST ON MAY 15

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 32 03 N
LONG 107 53 32 W

A - MANUAL GAUGE

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM
APPLY -0.00 004 m ADJUSTMENT TO CONVERT TO TOPOGRAPHIC SURVEY DATUM

HUFF LAKE GRAVITY CANAL - STATION NO. 11AC065

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	1.28	0	0.623	0	0	---	---	1
2	---	---	0	0	0	1.13	0	0.684	0	0	---	---	2
3	---	---	0	0	0	1.04	0	0.650	0	0	---	---	3
4	---	---	0	0	0	0.751	0	0.646	0	0	---	---	4
5	---	---	0	0	0.658	0.563	0	0.656	0	0	---	---	5
6	---	---	0	0	0.713	0.426	0	0.561	0	0	---	---	6
7	---	---	0	0	0.473	0.426	0	0.420	0	0	---	---	7
8	---	---	0	0	0.365	0.127	0.415	0.353	0	0	---	---	8
9	---	---	0	0	0.420	0	0.537	0.162	0	0	---	---	9
10	---	---	0	0	0.102	0	0.593	0.113	0	0	---	---	10
11	---	---	0	0	0	0	0.482	0	0	0	---	---	11
12	---	---	0	0	0	0	0.344	0	0	0	---	---	12
13	---	---	0	0	0	0	0.288	0	0	0	---	---	13
14	---	---	0	0	0	0	0.226	0	0	0	---	---	14
15	---	---	0	0	0	0	0.316	0	0	0	---	---	15
16	---	---	0	0	0	0	0.666	0	0	0	---	---	16
17	---	---	0	0	0	0	0.590	0	0	0	---	---	17
18	---	---	0	0	0	0	1.06	0	0	0	---	---	18
19	---	---	0	0	0	0	1.28	0	0	0	---	---	19
20	---	---	0	0	0	0	1.21	0	0	0	---	---	20
21	---	---	0	0	0	0	1.10	0	0	0	---	---	21
22	---	0	0	0	0	0	1.00	0	0	0	---	---	22
23	---	0	0	0	0	0	0.836	0	0	0	---	---	23
24	---	0	0	0	0.846	0	0.764	0	0	0	---	---	24
25	---	0	0	0	0.412	0	0.766	0	0	0	---	---	25
26	---	0	0	0	0.834	0	0.851	0	0	0	---	---	26
27	---	0	0	0	0.765	0	0.883	0	0	0	---	---	27
28	---	0	0	0	0.823	0	0.826	0	0	0	---	---	28
29	---		0	0	0.885	0	0.815	0	0	0	---	---	29
30	---		0	0	1.17	0	0.883	0	0	0	---	---	30
31	---		0		1.23		0.743	0		0		---	31
TOTAL	---	---	0	0	9.280	5.811	17.736	4.766	0	0	---	---	TOTAL
MEAN	---	---	0	0	0.299	0.194	0.572	0.154	0	0	---	---	MEAN
MAX	---	---	0	0	1.23	1.28	1.28	0.686	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.153
MAXIMUM DAILY, 1.28 ON JUL 19
MINIMUM DAILY, 0 ON MAR 1

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 22 10 N
LONG 107 53 06 W

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 530
FEB	---	AUG	414
MAR	0	SEP	0
APR	0	OCT	0
MAY	800	NOV	---
JUN	503	DEC	---

TOTAL DISCHARGE, 3 250 dam³

REGULATED

HUFF LAKE PUMPING CANAL - STATION NO. 11AC066

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0.786	0	0.385	0	0	---	---	1
2	---	---	0	0	0	0.769	0	0.088	0	0	---	---	2
3	---	---	0	0	0	0.751	0	0.118	0	0	---	---	3
4	---	---	0	0	0	0.764	0	0.181	0	0	---	---	4
5	---	---	0	0	0.313	0.763	0.346	0	0	0	---	---	5
6	---	---	0	0	0.690	0.328	0.372	0	0	0	---	---	6
7	---	---	0	0	0.700	0	0.372	0	0	0	---	---	7
8	---	---	0	0	0.683	0	0.367	0	0	0	---	---	8
9	---	---	0	0	0.616	0	0.372	0	0	0	---	---	9
10	---	---	0	0	0.110	0	0.372	0	0	0	---	---	10
11	---	---	0	0	0	0	0.372	0	0	0	---	---	11
12	---	---	0	0	0	0	0.373	0	0	0	---	---	12
13	---	---	0	0	0	0	0.374	0	0	0	---	---	13
14	---	---	0	0	0	0	0.690	0	0	0	---	---	14
15	---	---	0	0	0	0	0.683	0	0	0	---	---	15
16	---	---	0	0	0	0	0.764	0	0	0	---	---	16
17	---	---	0	0	0	0	0.767	0	0	0	---	---	17
18	---	---	0	0	0	0	0.766	0	0	0	---	---	18
19	---	---	0	0	0	0	0.764	0	0	0	---	---	19
20	---	---	0	0	0	0	0.686	0	0	0	---	---	20
21	---	---	0	0	0	0	0.718	0	0	0	---	---	21
22	---	---	0	0	0	0	0.724	0	0	0	---	---	22
23	---	---	0	0	0	0	0.720	0	0	0	---	---	23
24	---	---	0	0	0.566	0	0.727	0	0	0	---	---	24
25	---	---	0	0	0.764	0	0.743	0	0	0	---	---	25
26	---	0	0	0	0.784	0	0.718	0	0	0	---	---	26
27	---	0	0	0	0.767	0	0.755	0	0	0	---	---	27
28	---	0	0	0	0.761	0	0.780	0	0	0	---	---	28
29	---		0	0	0.764	0	0.757	0	0	0	---	---	29
30	---		0	0	0.776	0	0.711	0	0	0	---	---	30
31	---		0		0.774		0.684	0		0		---	31
TOTAL	---	---	0	0	9.067	4.160	16.004	0.687	0	0	---	---	TOTAL
MEAN	---	---	0	0	0.292	0.139	0.516	0.022	0	0	---	---	MEAN
MAX	---	---	0	0	0.784	0.786	0.784	0.385	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.122
MAXIMUM DAILY, 0.784 ON MAY 26
MINIMUM DAILY, 0 ON MAR 1

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 22 30 N
LONG 107 53 00 W

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 380
FEB	---	AUG	66.4
MAR	0	SEP	0
APR	0	OCT	0
MAY	783	NOV	---
JUN	359	DEC	---

TOTAL DISCHARGE, 2 590 dam³

REGULATED

HUNTER CREEK NEAR RICHARDSON - STATION NO. 05JF014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	00	0 B	0.021	0.011	0	0.006	0	0	---	---	1
2	---	---	00	0 B	0.019	0.009	0	0.010	0	0	---	---	2
3	---	---	00	0 B	0.017	0.006	0 E	0.005	0	0	---	---	3
4	---	---	00	0 B	0.016	0.006	0 E	0.005	0	0	---	---	4
5	---	---	00	0 B	0.015	0.007	0 E	0.005	0	0	---	---	5
6	---	---	00	0 B	0.013	0.005	0 E	0.003	0	0	---	---	6
7	---	---	00	0 B	0.013	0.003	0 E	0.002	0	0	---	---	7
8	---	---	00	0 B	0.011	0.002	0 E	0.002	0	0	---	---	8
9	---	---	00	0.1008	0.012	0.001	0.0208	0.001	0	0	---	---	9
10	---	---	00	0.8908	0.010	0	0.0158	0	0	0	---	---	10
11	---	---	00	1.50 B	0.017	0	0.016A	0	0	0	---	---	11
12	---	---	00	1.75	0.017	0	0.313	0	0	0	---	---	12
13	---	---	00	0.906	0.005	0.002	0.203A	0	0	0	---	---	13
14	---	---	00	0.545	0.059	0.002	0.270E	0	0	0	---	---	14
15	---	---	00	0.476	0.075	0.004	0.170E	0	0	0	---	---	15
16	---	---	00	0.343	0.078	0.004	0.088E	0	0	0	---	---	16
17	---	---	00	0.188	0.111	0.003	0.039E	0	0	0	---	---	17
18	---	---	00	0.297	0.060	0.003	0.014E	0	0	0	---	---	18
19	---	---	00	0.311	0.066	0.002	0.002E	0	0	0	---	---	19
20	---	---	00	0.261	0.118	0	0.000E	0	0	0	---	---	20
21	---	---	00	0.204	0.115	0	1.72 E	0	0	0	---	---	21
22	---	---	00	0.162	0.082	0	1.38 E	0	0	0	---	---	22
23	---	---	00	0.134	0.061	0	0.804E	0	0	0	---	---	23
24	---	---	00	0.151	0.057	0	0.434A	0	0	0	---	---	24
25	---	---	00	0.099	0.053	0	0.282	0	0	0	---	---	25
26	---	---	00	0.059	0.041	0	0.161	0	0	0	---	---	26
27	---	---	00	0.042	0.032	0	0.183	0	0	0	---	---	27
28	---	---	00	0.034	0.024	0	0.033	0	0	0	---	---	28
29	---		00	0.027	0.018	0	0.021	0	0	0	---	---	29
30	---		00	0.024	0.014	0	0.176	0	0	0	---	---	30
31	---		00		0.014		0.133	0		0		---	31
TOTAL	---	---	0	8.410	1.388	0.075	7.700	0.085	0	0	---	---	TOTAL
MEAN	---	---	0	0.280	0.045	0.003	0.248	0.003	0	0	---	---	MEAN
MAX	---	---	0	1.75	0.118	0.011	1.72	0.056	0	0	---	---	MAX
MIN	---	---	0	0	0.011	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.072
MAXIMUM DAILY, 1.75 ON APR 12
MINIMUM DAILY, 00 ON MAR 1
MAXIMUM INSTANTANEOUS,
3.40 AT 10:00 CST ON JUL 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 23 15 N
LONG 104 27 39 W
DRAINAGE AREA, 135 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	665
FEB	---	AUG	6.21
MAR	0	SEP	0
APR	727	OCT	0
MAY	139	NOV	---
JUN	6.46	DEC	---

TOTAL DISCHARGE, 1 930 dam³

INDIANHEAD CREEK NEAR INDIAN HEAD - STATION NO. 05JL003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	00	0 B	0.103	0	0	0.046	0	0	0.009	---	1
2	---	---	00	0 B	0.082	0	0	0.033	0	0	0 A	---	2
3	---	---	00	0 B	0.057	0	0	0.018	0	0	---	---	3
4	---	---	00	0 B	0.046	0	0	0.004	0	0	---	---	4
5	---	---	00	0 B	0.030	0	0	0	0	0	---	---	5
6	---	---	00	0 B	0.015	0	0	0	0	0	---	---	6
7	---	---	00	0 B	0.001	0	0	0	0	0	---	---	7
8	---	---	00	0 B	0	0	0	0	0	0	---	---	8
9	---	---	00	0.0548	0	0	0	0	0	0	---	---	9
10	---	---	00	0.5008	0	0	0	0	0	0	---	---	10
11	---	---	00	0.4788	0	0	0.073	0	0	0	---	---	11
12	---	---	00	0.5888	0	0	0.776	0	0	0	---	---	12
13	---	---	00	0.6438	0.002	0	0.346	0	0	0	---	---	13
14	---	---	00	0.5338	0.077	0	0.206	0	0	0	---	---	14
15	---	---	00	1.22 B	0.070	0	0.136	0	0	0	---	---	15
16	---	---	00	0.7038	0.062	0	0.116	0	0	0	---	---	16
17	---	---	00	0.518	0.401	0	0.067	0	0	0	---	---	17
18	---	---	00	5.44	0.266	0	0.026	0	0	0	---	---	18
19	---	---	00	15.3	0.229	0	0.001	0	0	0	---	---	19
20	---	---	00	13.6	0.170	0	0	0	0	0	---	---	20
21	---	---	00	7.15	0.085	0	0.07	0	0	0	---	---	21
22	---	---	00	3.55	0.041	0	7.13	0	0	0	---	---	22
23	---	---	00	2.19	0.010	0	3.58	0	0	0	---	---	23
24	---	---	00	1.58	0	0	1.88	0	0	0	---	---	24
25	---	---	00	1.02	0	0	1.07	0	0	0	---	---	25
26	---	---	00	0.781	0	0	0.570	0	0	0	---	---	26
27	---	---	00	0.632	0	0	0.347	0	0	0	---	---	27
28	---	---	00	0.356	0	0	0.234	0	0	0	---	---	28
29	---		00	0.231	0	0	0.140	0	0	0.003	---	---	29
30	---		00	0.154	0	0	0.103	0	0	0.010	---	---	30
31	---		00		0		0.077	0		0.010		---	31
TOTAL	---	---	0	67.982	1.789	0	25.023	0.103	0	0.060	---	---	TOTAL
MEAN	---	---	0	1.93	0.058	0	0.836	0.003	0	0.001	---	---	MEAN
MAX	---	---	0	15.3	0.401	0	7.07	0.046	0	0.010	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.300
MAXIMUM DAILY, 15.3 ON APR 15
MINIMUM DAILY, 00 ON MAR 1
MAXIMUM INSTANTANEOUS,
16.4 AT 10:07 CST ON APR 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 35 42 N
LONG 103 35 14 W
DRAINAGE AREA, 227 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 240
FEB	---	AUG	8.90
MAR	0	SEP	0
APR	5 010	OCT	3.46
MAY	158	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 7 429 dam³

INVERNESS CREEK NEAR BADDERICK - STATION NO. 05NE021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0 B	0.034	0	0	0	0.007	0	0	---	---	1
2	---	0 B	0 B	0.015	0	0	0	0.006	0	0	---	---	2
3	---	0 B	0 B	0.013	0	0	0	0.005	0	0	---	---	3
4	---	0 B	0 B	0.024	0	0	0	0.005	0	0	---	---	4
5	---	0 B	0 B	0.033	0	0	0	0.005	0	0	---	---	5
6	---	0 B	0 B	0.011	0	0	0	0.005	0	0	---	---	6
7	---	0 B	0 B	0.005	0	0	0	0.004	0	0	---	---	7
8	---	0 B	0 B	0.005	0	0	0.075	0.003	0	0	---	---	8
9	---	0 B	0 B	0.005	0	0	0.148	0.002	0	0	---	---	9
10	---	0 B	0.0035	0.004	0	0	0.005	0.002	0	0	---	---	10
11	---	0 B	0.0078	0.002	0	0	0.005	0.001	0	0	---	---	11
12	---	0 B	0.0078	0.002	0	0	0.005	0.002	0	0	---	---	12
13	---	0 B	0.0088	0.002	0	0	0.008	0.004	0	0	---	---	13
14	---	0 B	0.0088	0.001	0.001	0	0.003	0.004	0	0	---	---	14
15	---	0 B	0.0048	0.002	0.001	0	0.001	0.003	0	0	---	---	15
16	---	0 B	0.0048	0.002	0.002	0	0	0.002	0	0	---	---	16
17	---	0 B	0.0088	0.001	0.001	0	0	0.001	0	0	---	---	17
18	---	0 B	0.0048	0.001	0.001	0	0	0.001	0	0	---	---	18
19	---	0 B	0.0048	0	0	0	0	0.001	0	0	---	---	19
20	---	0 B	0.0048	0	0	0	0.315	0.001	0	0	---	---	20
21	---	0 B	0.0048	0	0	0	0.005	0	0	0	---	---	21
22	---	0 B	0.0038	0	0	0	0.103	0	0	0	---	---	22
23	---	0.0018	0.0038	0	0	0	0.038	0	0	0	---	---	23
24	---	0.0018	0.0028	0	0	0	0.017	0	0	0	---	---	24
25	---	0.0028	0.0018	0	0	0	0.008	0	0	0	---	---	25
26	---	0.0028	0.0018	0	0	0	0.018	0	0	0	---	---	26
27	---	0.0018	0.0068	0	0	0	0.037	0	0	0	---	---	27
28	---	0 B	0.0788	0	0	0	0.017	0	0	0	---	---	28
29	---		0.2048	0	0	0	0.018	0	0	0	---	---	29
30	---		0.148	0	0	0	0.010	0	0	0	---	---	30
31	---		0.073		0		0.008	0		0			31
TOTAL	---	0.007	0.583	0.148	0.006	0	1.649	0.085	0	0	---	---	TOTAL
MEAN	---	0	0.019	0.005	0	0	0.053	0.002	0	0	---	---	MEAN
MAX	---	0.002	0.204	0.034	0.002	0	0.315	0.007	0	0	---	---	MAX
MIN	---	0	0	0	0	0	0	0		0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.010
MAXIMUM DAILY, 0.315 ON JUL 31
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
3.71 AT 21:49 CST ON JUL 20

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 30 15 N
LONG 105 49 15 W
DRAINAGE AREA, 61.4 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	102
FEB	0.60	AUG	5.62
MAR	50.4	SEP	0
APR	12.9	OCT	0
MAY	0.52	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 211 dam³

IRONSPRING CREEK NEAR WATSON - STATION NO. 05MA012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.200	1.20	1.50	1.30	0	0.010	0.001A	---	1
2	---	---	0B	0 B	0.253	1.05	0.743	1.20	0	0.009	---	---	2
3	---	---	0B	0 B	1.17	1.07	2.03	1.03	0	0.009	---	---	3
4	---	---	0B	0 B	1.74	1.55	4.04	0.838	0	0.008	---	---	4
5	---	---	0B	0 B	1.75	1.63	3.04	0.709	0	0.010	---	---	5
6	---	---	0B	0 B	1.76	1.33	1.65	0.602	0	0.008	---	---	6
7	---	---	0B	0.0008	1.73	1.14	1.27	0.143	0	0.007	---	---	7
8	---	---	0B	0.0118	1.85	0.934	0.780	0.107	0	0.006	---	---	8
9	---	---	0B	0.0128	1.85	0.749	0.859	0.064	0.001	0.004	---	---	9
10	---	---	0B	0.0118	1.84	0.531	0.977	0.055	0.002	0.004	---	---	10
11	---	---	0B	0.0048	0.532	0.334	3.12	0.023	0.002	0.003	---	---	11
12	---	---	0B	0.0028	0.431	0.353	1.89	0.021	0.003	0.002	---	---	12
13	---	---	0B	0.0068	0.350	0.358	1.61	0.008	0.003	0.002	---	---	13
14	---	---	0B	0.1548	0.537	0.455	0.883	0.005	0.002	0.002	---	---	14
15	---	---	0B	0.5048	0.578	0.492	0.588	0.001	0.001	0.002	---	---	15
16	---	---	0B	0.7438	0.600	0.593	0.434	0.001	0.002	0.001	---	---	16
17	---	---	0B	0.5028	0.606	0.594	0.319	0.001	0.004	0.001	---	---	17
18	---	---	0B	1.32 B	0.603	1.04	0.265	0.001	0.005	0.001	---	---	18
19	---	---	0B	4.42 B	0.584	1.09	0.220	0.007	0.006	0.001	---	---	19
20	---	---	0B	4.85 B	0.588	1.06	0.186	0.004	0.007	0.001	---	---	20
21	---	---	0B	3.13 B	0.772	1.04	0.274	0.002	0.009	0.001	---	---	21
22	---	---	0B	3.47 B	0.595	1.06	0.209	0.001	0.011	0.001	---	---	22
23	---	---	0B	1.86 B	0.590	1.13	0.200	0.001	0.012	0.001	---	---	23
24	---	---	0B	1.46	0.555	1.32	0.472	0.002	0.013	0.001	---	---	24
25	---	---	0B	0.989	0.536	3.52	0.813	0.002	0.014	0.001	---	---	25
26	---	---	0B	0.585	0.644	1.55	0.586	0.002	0.014	0.001	---	---	26
27	---	---	0B	0.422	0.617	1.38	2.11	0.000	0.014	0.001	---	---	27
28	---	---	0B	0.368	0.516	1.28	3.39	0.002	0.012	0.001	---	---	28
29	---		0B	0.295	0.631	1.42	2.30	0	0.011	0.001	---	---	29
30	---		0B	0.198	0.548	1.45	1.84	0	0.010	0.001	---	---	30
31	---		0B		0.440		1.53	0		0.001			31
TOTAL	---	---	0	34.500	35.242	33.364	41.488	5.030	0.157	0.102	---	---	TOTAL
MEAN	---	---	0	0.817	0.817	1.11	1.34	0.185	0.005	0.003	---	---	MEAN
MAX	---	---	0	4.85	1.76	2.52	4.04	1.30	0.014	0.010	---	---	MAX
MIN	---	---	0	0	0.200	0.334	0.186	0	0	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.534
MAXIMUM DAILY, 4.04 ON JUL 4
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.000 AT 20:35 CST ON APR 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 03 25 N
LONG 104 35 56 W
DRAINAGE AREA, 587 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 500
FEB	---	AUG	531
MAR	0	SEP	13.6
APR	2 130	OCT	8.01
MAY	2 190	NOV	---
JUN	2 670	DEC	---

TOTAL DISCHARGE, 11 300 dam³

ISKWAO CREEK NEAR CRAIK - STATION NO 05JG014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0B	0 B	1.89 B	0.004	0	0	0.032	0	0	---	---	1
2	---	0B	0 B	1.81 B	0.003	0	0	0.026	0	0	---	---	2
3	---	0B	0 B	1.27 B	0	0	0	0.020	0	0	---	---	3
4	---	0B	0 B	0.8018	0	0	0	0.012	0	0	---	---	4
5	---	0B	0 B	0.712	0	0	0	0.005	0	0	---	---	5
6	---	0B	0 B	0.509	0	0	0	0.002	0	0	---	---	6
7	---	0B	0 B	0.401	0	0	0	0.001	0	0	---	---	7
8	---	0B	0 B	0.299	0	0	0	0	0	0	---	---	8
9	---	0B	0 B	0.230	0	0	0	0	0	0	---	---	9
10	---	0B	0.0018	0.174	0.012	0	0.372	0	0	0	---	---	10
11	---	0B	0.0028	0.137	0.006	0	1.05	0	0	0	---	---	11
12	---	0B	0.1688	0.102	0.005	0.002	0.641	0	0	0	---	---	12
13	---	0B	0.0588	0.080	0.004	0.005	0.383	0	0	0	---	---	13
14	---	0B	0.1028	0.070	0.003	0.003	0.227	0	0	0	---	---	14
15	---	0B	0.0838	0.060	0.003	0	0.146	0	0	0	---	---	15
16	---	0B	0.0978	0.050	0.002	0	0.103	0	0	0	---	---	16
17	---	0B	0.0788	0.044	0.014	0	0.086	0	0	0	---	---	17
18	---	0B	0.0768	0.039	0.033	0	0.040	0	0	0	---	---	18
19	---	0B	0.0778	0.035	0.030	0	0.026	0	0	0	---	---	19
20	---	0B	0.0788	0.029	0.026	0	0.023	0	0	0	---	---	20
21	---	0B	0.0828	0.025	0.026	0	0.025	0	0	0	---	---	21
22	---	0B	0.0408	0.021	0.024	0	0.024	0	0	0	---	---	22
23	---	0B	0.0298	0.018	0.023	0	0.018	0	0	0	---	---	23
24	---	0B	0.0218	0.015	0.020	0	0.010	0	0	0	---	---	24
25	---	0B	0.0148	0.013	0.017	0	0.008	0	0	0	---	---	25
26	---	0B	0.0118	0.015	0.014	0	0.137	0	0	0	---	---	26
27	---	0B	0.0078	0.014	0.008	0	0.231	0	0	0	---	---	27
28	---	0B	0.0288	0.014	0.005	0	0.132	0	0	0	---	---	28
29	---		0.2548	0.012	0.001	0	0.072	0	0	0	---	---	29
30	---		0.9568	0.008	0	0	0.046	0	0	0	---	---	30
31	---		1.71 B		0		0.037	0		0		---	31
TOTAL	---	0	3.801	8.886	0.283	0.010	3.800	0.093	0	0	---	---	TOTAL
MEAN	---	0	0.126	0.300	0.009	0	0.123	0.003	0	0	---	---	MEAN
MAX	---	0	1.71	1.89	0.033	0.005	1.05	0.032	0	0	---	---	MAX
MIN	---	0	0	0.008	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.070
MAXIMUM DAILY, 1.89B ON APR 1
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
2.02B AT 15:44 CST ON APR 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 58 44 N
LONG 105 57 34 W
DRAINAGE AREA, 380 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	328
FEB	0	AUG	8.47
MAR	337	SEP	0
APR	776	OCT	0
MAY	24.5	NOV	---
JUN	0.86	DEC	---

TOTAL DISCHARGE, 1 470 dam³

JACKFISH LAKE NEAR COCHIN - STATION NO 05EG003

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	529.468E	529.469	529.586	529.626	529.670	529.615	529.593	529.585	---	---	1
2	---	---	529.468E	529.469	529.585	529.632	529.690	529.617	529.586	529.585	---	---	2
3	---	---	529.468E	529.467	529.586	529.630	529.705	529.618	529.576	529.584	---	---	3
4	---	---	529.468E	529.466	529.602	529.624	529.712	529.605	529.573	529.580	---	---	4
5	---	---	529.468E	529.469	529.602	529.620	529.715	529.613	529.586	529.579	---	---	5
6	---	---	529.468E	529.471	529.606	529.622	529.711	529.606A	529.572	529.578	---	---	6
7	---	---	529.468A	529.473	529.621	529.611	529.701	529.601	529.571	529.580	---	---	7
8	---	---	529.467	529.476	529.615	529.617	529.698	529.602	529.570	529.581	---	---	8
9	---	---	529.467	529.477	529.589	529.606	529.691	529.595	529.570	529.576	---	---	9
10	---	---	529.467	529.479	529.571A	529.612	529.683	529.595	529.591	529.582	---	---	10
11	---	---	529.466	529.484	529.616	529.600	529.681	529.595	529.584	529.589	---	---	11
12	---	---	529.466	529.481	529.620	529.591	529.676	529.580	529.583	529.574	---	---	12
13	---	---	529.466	529.487	529.614	529.591	529.673	529.586	529.581	529.575	---	---	13
14	---	---	529.464	529.491	529.610	529.587	529.673	529.577	529.585	529.573	---	---	14
15	---	---	529.464	529.508	529.610	529.590	529.668	529.575	529.593	529.585	---	---	15
16	---	---	529.466	529.511	529.616	529.587	529.658	529.571	529.590	529.582	---	---	16
17	---	---	529.465	529.513	529.623	529.585	529.655	529.570A	529.574	529.585	---	---	17
18	---	---	529.465	529.510	529.617	529.588	529.654	529.578A	529.570	529.585	---	---	18
19	---	---	529.465	529.523	529.631	529.602	529.654	529.574	529.576	529.587	---	---	19
20	---	---	529.465	529.527	529.623	529.576	529.653	529.574	529.587	529.585	---	---	20
21	---	---	529.464	529.534	529.623	529.574	529.658	529.588	529.592	529.585	---	---	21
22	---	---	529.464	529.539	529.630	529.578	529.646	529.571	529.592	529.584	---	---	22
23	---	---	529.464	529.542	529.631	529.574	529.651	529.574	529.594	529.585	---	---	23
24	---	---	529.465	529.548	529.630	529.604	529.651	529.578	529.595	529.583	---	---	24
25	---	---	529.464	529.553	529.638	529.644	529.651	529.586	529.587	529.582	---	---	25
26	---	---	529.463	529.556	529.641	529.686	529.660	529.600	529.590	529.584	---	---	26
27	---	---	529.464	529.551	529.634	529.660	529.633	529.600	529.590E	529.590	---	---	27
28	---	---	529.464	529.574	529.638	529.660	529.626	529.590	529.585E	529.582	---	---	28
29	---		529.463	529.582	529.632	529.662	529.630	529.597	529.585E	529.581	---	---	29
30	---		529.465	529.587	529.631	529.666	529.627	529.597	529.587	529.581	---	---	30
31	---		529.468		529.628		529.624	529.596		529.580A		---	31
MEAN	---	---	529.466	529.512	529.617	529.612	529.667	529.601	529.586	529.579	---	---	MEAN
MAX	---	---	529.468	529.587	529.641	529.666	529.715	529.618	529.600	529.585	---	---	MAX
MIN	---	---	529.463	529.467	529.571	529.574	529.624	529.588	529.568	529.580	---	---	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MAXIMUM DAILY, 529.715 ON JUL 5

MAXIMUM INSTANTANEOUS,
529.730 AT 03:15 CST ON JUL 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 07 02 N
LONG 104 22 54 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - THE MAXIMUM INSTANTANEOUS WATER LEVEL OCCURRED AS A RESULT OF WIND EFFECT

JACKFISH RIVER NEAR PRINCE - STATION NO. 05EG007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0B	0	0	0	0	0	0	---	---	1
2	---	---	0B	0B	0	0	0	0	0	0	---	---	2
3	---	---	0B	0B	0	0	0	0	0	0	---	---	3
4	---	---	0B	0B	0	0	0	0	0	0	---	---	4
5	---	---	0B	0B	0	0	0.018	0	0	0	---	---	5
6	---	---	0B	0B	0	0	0.035	0	0	0	---	---	6
7	---	---	0B	0B	0	0	0.087	0	0	0	---	---	7
8	---	---	0B	0B	0	0	0.216	0	0	0	---	---	8
9	---	---	0B	0B	0	0	0.380	0	0	0	---	---	9
10	---	---	0B	0B	0	0	0.487	0	0	0	---	---	10
11	---	---	0B	0B	0	0	0.517	0	0	0	---	---	11
12	---	---	0B	0B	0	0	0.501	0	0	0	---	---	12
13	---	---	0B	0B	0	0	0.503	0	0	0	---	---	13
14	---	---	0B	0B	0	0	0.497	0	0	0	---	---	14
15	---	---	0B	0B	0	0	0.378	0	0	0	---	---	15
16	---	---	0B	0B	0	0	0.172	0	0	0	---	---	16
17	---	---	0B	0B	0	0	0.078	0	0	0	---	---	17
18	---	---	0B	0B	0	0	0.014	0	0	0	---	---	18
19	---	---	0B	0	0	0	0.004	0	0	0	---	---	19
20	---	---	0B	0	0	0	0	0	0	0	---	---	20
21	---	---	0B	0	0	0	0	0	0	0	---	---	21
22	---	---	0B	0	0	0	0	0	0	0	---	---	22
23	---	---	0B	0	0	0	0	0	0	0	---	---	23
24	---	---	0B	0	0	0	0	0	0	0	---	---	24
25	---	---	0B	0	0	0	0	0	0	0	---	---	25
26	---	---	0B	0	0	0	0	0	0	0	---	---	26
27	---	---	0B	0	0	0	0	0	0	0	---	---	27
28	---	---	0B	0	0	0	0	0	0	0	---	---	28
29	---		0B	0	0	0	0	0	0	0	---	---	29
30	---		0B	0	0	0	0	0	0	0	---	---	30
31	---		0B		0		0	0		0		---	31
TOTAL	---	---	0	0	0	0	3.850	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0	0	0.124	0	0	0	---	---	MEAN
MAX	---	---	0	0	0	0	0.517	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.015
MAXIMUM DAILY, 0.517 ON JUL 11
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.535 AT 03:05 CST ON JUL 12

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 01 14 N
LONG 105 21 55 W
DRAINAGE AREA, 3 320 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	333
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 333 dam³

JAN LAKE NEAR THE HANSON LAKE ROAD - STATION NO. 05KG010

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	29.702	---	---	---	1
2	---	---	---	---	---	---	---	29.680	29.700	---	---	---	2
3	---	---	---	---	---	---	---	29.680	---	---	---	---	3
4	---	---	---	---	---	---	---	29.682	---	---	---	---	4
5	---	---	---	---	---	---	---	29.683	---	---	---	---	5
6	---	---	---	---	---	---	---	29.682	29.742	---	---	---	6
7	---	---	---	---	---	---	---	29.682	---	---	---	---	7
8	---	---	---	---	---	29.302	---	---	---	---	---	---	8
9	---	---	---	---	---	29.351	---	29.682	---	---	---	---	9
10	---	---	---	---	---	29.353	---	29.647	---	---	---	---	10
11	---	---	---	---	---	29.351	---	29.631	---	---	---	---	11
12	---	---	---	---	---	29.438	---	29.631	---	---	---	---	12
13	---	---	---	---	---	29.436	---	29.631	---	---	---	---	13
14	---	---	---	---	---	29.437	---	29.637	---	---	---	---	14
15	---	---	---	---	---	29.441	---	29.637	---	---	---	---	15
16	---	---	---	---	---	29.453	---	29.637	---	---	29.633	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	29.810	---	---	---	---	---	19
20	---	---	---	---	---	---	29.781	29.784	---	---	---	---	20
21	---	---	---	---	---	---	29.773	29.768	---	---	---	---	21
22	---	---	---	---	---	---	29.848	29.768	---	---	---	---	22
23	---	---	---	---	---	---	29.837	29.768	---	---	---	---	23
24	---	---	---	---	---	---	29.843	29.768	---	---	---	---	24
25	---	---	---	---	---	---	29.837	29.752	---	29.719	---	---	25
26	---	---	---	---	---	---	29.845	29.784	---	---	---	---	26
27	---	---	---	---	---	---	29.858	29.744	---	---	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	---	---	29.871	---	---	---	---	---	29
30	---		---	---	---	---	29.872	29.714	---	---	---	---	30
31	---		---		---		29.872	29.708		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 29.882 ON AUG 4

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 53 35 N
LONG 102 49 37 W
DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

JEWEL CREEK NEAR GOODWATER - STATION NO 05BB014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	00	0 B	0.234	0.022	0	0	0	0	---	---	1
2	---	---	00	0 B	0.144	0.013	0	0	0	0	---	---	2
3	---	---	00	0 B	0.103	0.008	0	0	0	0	---	---	3
4	---	---	00	0.8688	0.078	0.006	0	0	0	0	---	---	4
5	---	---	00	1.24 B	0.060	0.005	0	0	0	0	---	---	5
6	---	---	00	2.22 B	0.043	0.005	0	0	0	0	---	---	6
7	---	---	00	3.35 B	0.036	0.005	0	0	0	0	---	---	7
8	---	---	00	3.67 B	0.021	0.004	0	0	0	0	---	---	8
9	---	---	00	2.63 B	0.026	0.004	0	0	0	0	---	---	9
10	---	---	00	2.27	0.036	0.004	0	0	0	0	---	---	10
11	---	---	00	4.85	0.026	0.003	0	0	0	0	---	---	11
12	---	---	00	10 B	0.032	0.005	0	0	0	0	---	---	12
13	---	---	00	5.63	0.057	0.005	0	0	0	0	---	---	13
14	---	---	00	4.82	0.057	0.004	0	0	0	0	---	---	14
15	---	---	00	3.17	0.073	0.004	0	0	0	0	---	---	15
16	---	---	00	2.35	0.046	0.002	0	0	0	0	---	---	16
17	---	---	00	1.92	0.063	0.002	0	0	0	0	---	---	17
18	---	---	00	1.64	0.060	0.002	0	0	0	0	---	---	18
19	---	---	00	1.16	0.076	0.002	0	0	0	0	---	---	19
20	---	---	00	0.884	0.068	0.001	0	0	0	0	---	---	20
21	---	---	00	0.695	0.056	0.001	0	0	0	0	---	---	21
22	---	---	00	0.670	0.043	0.003	0	0	0	0	---	---	22
23	---	---	00	0.656	0.035	0.002	0	0	0	0	---	---	23
24	---	---	00	0.427	0.026	0.002	0	0	0	0	---	---	24
25	---	---	00	0.355	0.019	0.001	0	0	0	0	---	---	25
26	---	---	00	0.514	0.012	0	0	0	0	0	---	---	26
27	---	---	00	0.602	0.026	0	0	0	0	0	---	---	27
28	---	---	00	0.500	0.054	0	0	0	0	0	---	---	28
29	---		00	0.452	0.046	0	0	0	0	0	---	---	29
30	---		00	0.355	0.036	0	0	0	0	0	---	---	30
31	---		00		0.029		0	0		0		---	31
TOTAL	---	---	0	58.841	1.809	0.117	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	1.99	0.058	0.004	0	0	0	0	---	---	MEAN
MAX	---	---	0	10 B	0.234	0.023	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0.012	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.251
MAXIMUM DAILY, 10.5 ON APR 12
MINIMUM DAILY, 00 ON MAR 1
MAXIMUM INSTANTANEOUS,
12.3 AT 08:59 CST ON APR 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 23 10 N
LONG 103 42 42 W
DRAINAGE AREA, 209 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	5 150	OCT	0
MAY	156	NOV	---
JUN	10 1	DEC	---

TOTAL DISCHARGE, 5 320 dam³

JUMPING DEER CREEK NEAR LIPTON - STATION NO 05JK004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	00	0 B	0.001	0.002	0.087	0	0	0.008	0.001	---	1
2	---	---	00	0 B	0.001	0.007	0.007	0	0	0.011	0.001A	---	2
3	---	---	00	0 B	0.002	0.015	0.028	0	0	0.009	---	---	3
4	---	---	00	0 B	0.001	0.031	0.018	0	0	0.010	---	---	4
5	---	---	00	0 B	0.001	0.137	0.006	0	0	0.011	---	---	5
6	---	---	00	0.0288	0.002	0.018	0.001	0	0	0.010	---	---	6
7	---	---	00	0.0628	0.003	0.006	0	0	0	0.010	---	---	7
8	---	---	00	0.3488	0.001	0.008	0	0	0	0.008	---	---	8
9	---	---	00	0.7178	0.004	0.007	0.182	0.005	0	0.008	---	---	9
10	---	---	00	0.8018	0.013	0.005	0.761	0	0	0.005	---	---	10
11	---	---	00	0.4188	0.188	0.003	1.75	0	0	0.003	---	---	11
12	---	---	00	0.3368	0.141	0.015	0.885	0	0	0.003	---	---	12
13	---	---	00	0.248	0.158	0.008	0.298	0	0	0.003	---	---	13
14	---	---	00	0.183	0.158	0.051	0.105	0	0	0.004	---	---	14
15	---	---	00	0.187	0.183	0.047	0.088	0	0	0.004	---	---	15
16	---	---	00	0.158	0.116	0.025	0.105	0.001	0	0.003	---	---	16
17	---	---	00	0.158	0.066	0.010	0.084	0	0	0.001	---	---	17
18	---	---	00	0.151	0.048	0.007	0.076	0	0	0.001	---	---	18
19	---	---	00	0.158	0.023	0.007	0.068	0	0	0.001	0.001A	---	19
20	---	---	00	0.480	0.018	0.002	0.071	0	0	0	---	---	20
21	---	---	00	0.267	0.024	0.006	0.158	0	0	0	---	---	21
22	---	---	00	0.180	0.128	0.002	0.138	0.001	0	0.001	---	---	22
23	---	---	00	0.118	0.078	0.002	0.083	0	0.001	0	---	---	23
24	---	---	00	0.038	0.071	0.000	0.041	0	0.002	0.001	---	---	24
25	---	---	00	0.001	0.058	1.71	0.062	0	0.004	0	---	---	25
26	---	---	00	0.068	0.027	0.332	0.027	0	0.007	0.010	---	---	26
27	---	---	00	0.108	0.022	0.080	0.013	0	0.007	0.001	---	---	27
28	---	---	00	0.040	0.013	0.035	0.001	0	0.008	0.001	---	---	28
29	---		00	0.012	0.001	0.024	0.001	0	0.008	0.001	---	---	29
30	---		00	0.004	0.001	0.044	0	0	0.004	0.001	---	---	30
31	---		00		0.001		0	0		0.001		---	31
TOTAL	---	---	0	4.953	1.601	2.794	4.753	0.007	0.038	0.137	---	---	TOTAL
MEAN	---	---	0	0.165	0.052	0.093	0.153	0	0.001	0.004	---	---	MEAN
MAX	---	---	0	0.717	0.188	1.71	1.75	0.005	0.008	0.010	---	---	MAX
MIN	---	---	0	0	0.001	0.002	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.088
MAXIMUM DAILY, 1.75 ON JUL 11
MINIMUM DAILY, 00 ON MAR 1
MAXIMUM INSTANTANEOUS,
2.38 AT 00:42 CST ON JUN 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 05 10 N
LONG 103 53 57 W
DRAINAGE AREA, 1 880 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	411
FEB	---	AUG	0.80
MAR	0	SEP	3.27
APR	438	OCT	11.8
MAY	138	NOV	---
JUN	241	DEC	---

TOTAL DISCHARGE, 1 230 dam³

JUNCTION RESERVOIR NEAR MAPLE CREEK - STATION NO. 05HA003

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	785.691	785.671	785.753	785.201	785.174	785.808	785.349	785.230	785.114	---	1
2	---	---	785.693	785.684	785.704	785.200	785.174	785.808	785.327	785.229	785.119	---	2
3	---	---	785.700	785.671	785.646	785.225	785.176	785.791	785.322	785.231	785.122A	---	3
4	---	---	785.701	785.668	785.590	785.242	785.188	785.746	785.321	785.238	---	---	4
5	---	---	785.705	785.672	785.541	785.248	785.192	785.695	785.305	785.220	---	---	5
6	---	---	785.706	785.673	785.487	785.252	785.192	785.641	785.309	785.190	---	---	6
7	---	---	785.707	785.679	785.477	785.244	785.192	785.586	785.303	785.167	---	---	7
8	---	---	785.708	785.671	785.447	785.246	785.198	785.538	785.298	785.128	---	---	8
9	---	---	785.710	785.671	785.381	785.240	785.214A	785.483	785.287	785.120	---	---	9
10	---	---	785.717	785.689	785.376	785.237	785.245A	785.486	785.290	785.110	---	---	10
11	---	---	785.721	785.690	785.403	785.230	785.294	785.446	785.286	785.110	---	---	11
12	---	---	785.737	785.694	785.413	785.228	785.456	785.421	785.283	785.113	---	---	12
13	---	---	785.768	785.698	785.437	785.220	785.573	785.406	785.286	785.118	---	---	13
14	---	---	785.782	785.901	785.461	785.218	785.620	785.386	785.278	785.121	---	---	14
15	---	785.663A	785.788	785.904	785.500	785.218	785.644	785.361	785.277	785.118	---	---	15
16	---	785.684	785.809	785.908	785.534	785.212	785.658	785.343	785.276	785.117	---	---	16
17	---	785.688	785.820	785.912	785.585	785.208	785.674	785.356	785.247	785.128	---	---	17
18	---	785.676	785.825	785.916	785.623	785.200	785.668	785.368	785.251	785.130	---	---	18
19	---	785.672	785.832	785.916	785.687	785.202	785.694	785.388	785.242	785.138	---	---	19
20	---	785.678	785.838	785.921	785.662	785.191	785.713	785.382	785.244	785.132	---	---	20
21	---	785.682	785.841	785.930A	785.636	785.183	785.733	785.384	785.242	785.134	---	---	21
22	---	785.681	785.843	785.932E	785.628	785.184	785.765	785.384	785.247	785.133	---	---	22
23	---	785.683	785.849	785.933E	785.616	785.184	785.802	785.382	785.243	785.126	---	---	23
24	---	785.684	785.848	785.932E	785.597	785.176	785.810	785.380	785.249	785.127	---	---	24
25	---	785.688	785.851	785.932E	785.573	785.165	785.824	785.377	785.248	785.124	---	---	25
26	---	785.685	785.856	785.930A	785.536	785.161	785.818	785.375	785.249	785.129	---	---	26
27	---	785.687	785.863	785.928	785.506	785.161	785.818	785.371	785.236	785.123	---	---	27
28	---	785.687	785.867	785.884	785.257	785.150	785.818	785.368	785.230	785.124	---	---	28
29	---		785.868	785.844	785.226	785.167	785.813	785.362	785.232	785.122	---	---	29
30	---		785.865	785.802	785.198	785.172	785.813	785.361	785.223	785.126	---	---	30
31	---		785.864		785.192		785.813	785.362		785.121		---	31
MEAN	---	---	785.767	785.895	785.444	785.206	785.542	785.468	785.273	785.143	---	---	MEAN
MAX	---	---	785.868	785.933	785.753	785.252	785.824	785.808	785.349	785.231	---	---	MAX
MIN	---	---	785.691	785.802	785.192	785.150	785.174	785.343	785.223	785.110	---	---	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MAXIMUM DAILY, 785.933E ON APR 23

MAXIMUM INSTANTANEOUS,
785.953 AT 18:56 CST ON APR 20

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 56 10 N
LONG 109 31 05 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO PRAIRIE FARM REHABILITATION ADMINISTRATION DATUM
APPLY -10.415 m ADJUSTMENT TO CONVERT TO RECLAMATION SERVICE OF CANADA DATUM

KATEPWA LAKE AT KATEPWA BEACH - STATION NO. 05JL004

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	478.391	478.378	478.398	478.385	478.472	478.411	478.304	478.390	478.325	478.384	478.372	478.338	1
2	478.391	478.373	478.398	478.383	478.478	478.407	478.314	478.384	478.331	478.385	478.383	478.340	2
3	478.392	478.374	478.401	478.383	478.474	478.403	478.320	478.384	478.313	478.387	478.388	478.339	3
4	478.390	478.371	478.400	478.384	478.474	478.397	478.318	478.382	478.310	478.388	478.390	478.339	4
5	478.388	478.370	478.397	478.386	478.476	478.392	478.315	478.381	478.311	478.383	478.376	478.336	5
6	478.386	478.371	478.401	478.383	478.472	478.387	478.315	478.378	478.310	478.384	478.373	478.341	6
7	478.386	478.374	478.398	478.384	478.471	478.384	478.319	478.376	478.314	478.401	478.371	478.342	7
8	478.388	478.372	478.390	478.384	478.470	478.376	478.317	478.386	478.322	478.408	478.373	478.336	8
9	478.388	478.374	478.388	478.384	478.478	478.388	478.324A	478.386	478.337	478.407	478.371	478.339	9
10	478.388	478.376	478.387	478.407	478.481	478.389	478.349	478.386	478.347	478.411	478.370	478.341	10
11	478.384	478.378	478.388	478.423	478.488	478.383	478.384	478.383	478.344	478.408	478.382	478.345	11
12	478.387	478.380	478.390	478.431	478.483	478.388	478.385	478.383	478.347	478.408	478.386	478.344	12
13	478.388	478.383	478.38.	478.433	478.488	478.387	478.411	478.380	478.347	478.404	478.384	478.343	13
14	478.387	478.386	478.389	478.433	478.480	478.338	478.418	478.383	478.339	478.403	478.384	478.341	14
15	478.386	478.388	478.388	478.436	478.430	478.330	478.419	478.380	478.344	478.397	478.386	478.336	15
16	478.387	478.390	478.385	478.436	478.423	478.322	478.426	478.345	478.336	478.386	478.382	478.336	16
17	478.383	478.391	478.380	478.436	478.426	478.314	478.440	478.344	478.345	478.382	478.383	478.334	17
18	478.384	478.388	478.378	478.446	478.430	478.305	478.448	478.341	478.336	478.386	478.385	478.333	18
19	478.387	478.390	478.378	478.465	478.432	478.307	478.444	478.334	478.331	478.384	478.387	478.334	19
20	478.387	478.391	478.378	478.482	478.434	478.305	478.436	478.322	478.331	478.381	478.368	478.333	20
21	478.387	478.393	478.378	478.480	478.439	478.303	478.485	478.322	478.336	478.383	478.383	478.333	21
22	478.389	478.395	478.374	478.484	478.436	478.301	478.470	478.320	478.342	478.383	478.388	478.328	22
23	478.390	478.395	478.378	478.478	478.435	478.289	478.478	478.318	478.348	478.383	478.388	478.328	23
24	478.388	478.395	478.378	478.478	478.433	478.301	478.478	478.318	478.353	478.380	478.349	478.326	24
25	478.381	478.396	478.378	478.472	478.432	478.326	478.480	478.320	478.367	478.378	478.344	478.327	25
26	478.378	478.397	478.378	478.470	478.433	478.321	478.486	478.320	478.356	478.376	478.340	478.328	26
27	478.383	478.400	478.378	478.467	478.431	478.313	478.442	478.320	478.362	478.377	478.334	478.328	27
28	478.383	478.397	478.377	478.465	478.427	478.310	478.425	478.322	478.362	478.376	478.334	478.325	28
29	478.381		478.378	478.468	478.422	478.308	478.415	478.321	478.353	478.374	478.340	478.324	29
30	478.377		478.381	478.471	478.420	478.305	478.408	478.323	478.352	478.172	478.339	478.322	30
31	478.378		478.383		478.416		478.398	478.324		478.373		478.323	31
MEAN	478.386	478.384	478.386	478.434	478.447	478.340	478.398	478.348	478.338	478.385	478.360	478.334	MEAN
MAX	478.392	478.400	478.401	478.480	478.481	478.411	478.479	478.390	478.362	478.411	478.378	478.345	MAX
MIN	478.377	478.370	478.374	478.383	478.416	478.289	478.304	478.318	478.310	478.384	478.334	478.322	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MEAN, 478.378
MAXIMUM DAILY, 478.480 ON APR 21
MINIMUM DAILY, 478.289 ON JUN 23
MAXIMUM INSTANTANEOUS,
478.494 AT 18:34 CST ON APR 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 41 24 N
LONG 103 37 15 W

A - MANUAL GAUGE

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

KEELEY RIVER AT OUTLET OF KEELEY LAKE - STATION NO. 05BB004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.03	1.98E	1.80	1.70	2.20	2.29	2.49	3.34	1.99	2.51	2.30	2.53	1
2	2.03	1.95E	1.78	1.71	2.26	2.24	2.52	3.34	1.95	2.43	2.30	2.53	2
3	2.05	1.90E	1.79	1.68	2.26	2.29	2.55	3.33	1.87	2.42	2.39	2.55	3
4	2.10	1.90E	1.81	1.68	2.28	2.34	2.56	3.28	1.82	2.38	2.43	2.54	4
5	2.08	1.90E	1.82	1.71	2.29	2.32	2.56	3.23	1.97	2.37	2.47	2.50	5
6	2.08	1.90E	1.83	1.69	2.31	2.32	2.58	3.19	2.24	2.33	2.38	2.51	6
7	2.04	1.90E	1.82	1.68	2.38	2.29	2.57	3.10	2.20	2.37	2.30	2.50	7
8	2.06	1.90E	1.81	1.73	2.41	2.37	2.57	3.03	2.19	2.42	2.33	2.50	8
9	2.03	1.88E	1.81	1.72	2.42	2.30	2.78	2.93	2.13	2.52	2.33	2.47	9
10	2.07	1.83A	1.78	1.73	2.36	2.36	2.70	2.90	2.01	2.46	2.35	2.42	10
11	2.04	1.85	1.82	1.74	2.45	2.26	2.89	2.82	2.09	2.46	2.34	2.42	11
12	2.07	1.83	1.85	1.76	2.47	2.28	2.87	2.83	2.08	2.42	2.47	2.44	12
13	2.06	1.81	1.85	1.76	2.44	2.18	2.82	2.81	2.08	2.36	2.50	2.47	13
14	2.10	1.85	1.81	1.77	2.44	2.10	2.83	2.80	1.98	2.33	2.53	2.47	14
15	2.09	1.87	1.81	1.78	2.43	2.18	2.83	2.56	1.84	2.40	2.54	2.44	15
16	2.05	1.84	1.78	1.78	2.39	2.11	2.47	2.49	2.01	2.36	2.50	2.41	16
17	2.03	1.82	1.78	1.80	2.37	2.08	2.48	2.48	2.06	2.31	2.48	2.38	17
18	2.04	1.84	1.77	1.80	2.36	2.00	2.41	2.52	2.22	2.32	2.53	2.37	18
19	2.07	1.85	1.77	1.81	2.40	1.97	2.82	2.42	2.14	2.34	2.53	2.32	19
20	2.08	1.85	1.78	1.83	2.41	1.96	2.55	2.42	2.28	2.32	2.54	2.32	20
21	2.04	1.81	1.78	1.85	2.48	1.88	2.77	2.32	2.35	2.32	2.54	2.31	21
22	2.06	1.81	1.78	1.85	2.41	1.87	2.88	2.24	2.44	2.30	2.55	2.31	22
23	2.05	1.81	1.78	1.88	2.43	1.88	2.88	2.17	2.44	2.38	2.55	2.28	23
24	2.05A	1.83	1.77	1.88	2.44	1.77	2.89	2.14	2.48	2.35	2.57	2.25	24
25	2.04E	1.82	1.74	2.02	2.43	2.00	3.07	2.08	2.54	2.31	2.58	2.25	25
26	2.03E	1.78	1.75	2.03	2.47	2.28	3.30	2.05	2.62	2.28	2.55	2.25	25
27	2.00E	1.79	1.75	2.05	2.43	2.31	3.37	2.03	2.51	2.25	2.54	2.24	27
28	2.00E	1.81	1.74	2.10	2.41	2.38	3.24	1.99	2.45	2.27	2.54	2.20	28
29	2.00E		1.72	2.08	2.38	2.45	3.27	1.99	2.50	2.28	2.54	2.21	29
30	1.98E		1.72	2.11	2.32	2.46	3.33	1.99	2.57	2.24	2.54	2.20	30
31	1.98E		1.70		2.28		3.31	2.01		2.23		2.18	31
TOTAL	63.44	51.86	55.32	54.97	73.82	65.46	86.32	80.84	65.19	73.02	74.04	73.77	TOTAL
MEAN	2.05	1.85	1.78	1.83	2.38	2.18	2.78	2.80	2.21	2.36	2.47	2.38	MEAN
MAX	2.10	1.98	1.85	2.11	2.48	2.46	3.37	3.34	2.62	2.52	2.58	2.55	MAX
MIN	1.98	1.78	1.70	1.68	2.20	1.77	2.41	1.99	1.84	2.23	2.30	2.18	MIN

SUMMARY FOR THE YEAR 1983

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.24
MAXIMUM DAILY, 3.37 ON JUL 27
MINIMUM DAILY, 1.68 ON APR 3
MAXIMUM INSTANTANEOUS,
3.56 AT 19:06 CST ON JUL 28

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 55 10 N
LONG 106 03 20 W
DRAINAGE AREA, 1 020 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	5 480	JUL	7 480
FEB	4 480	AUG	6 970
MAR	4 780	SEP	5 720
APR	4 750	OCT	6 310
MAY	6 380	NOV	6 400
JUN	5 650	DEC	6 370

TOTAL DISCHARGE, 70 800 dam³

KELSEY CREEK NEAR GARRICK - STATION NO. 05KE007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	1.33	0.006	0	0	0	0	0	---	1
2	---	---	0B	0 B	1.03	0.014	0	0	0	0	---	---	2
3	---	---	0B	0 B	0.788	0.038	0	0	0	0	---	---	3
4	---	---	0B	0 B	0.645	0.032	0	0	0	0	---	---	4
5	---	---	0B	0 B	0.504	0.023	0	0	0	0	---	---	5
6	---	---	0B	0 B	0.402	0.011	0	0	0	0	---	---	6
7	---	---	0B	0 B	0.332	0.007	0	0	0	0	---	---	7
8	---	---	0B	0 B	0.282	0.004	0	0	0	0	---	---	8
9	---	---	0B	0 B	0.248	0.002	0	0	0	0	---	---	9
10	---	---	0B	0 B	0.233	0.003	0	0	0	0	---	---	10
11	---	---	0B	0 B	0.171	0.001	0	0	0	0	---	---	11
12	---	---	0B	0 B	0.348	0.001	0	0	0	0	---	---	12
13	---	---	0B	0 B	0.218	0.003	0	0	0	0	---	---	13
14	---	---	0B	0 B	0.306	0.003	0	0	0	0	---	---	14
15	---	---	0B	0 B	0.181	0.001	0	0	0	0	---	---	15
16	---	---	0B	0 B	0.180	0.001	0	0	0	0	---	---	16
17	---	---	0B	0 B	0.125	0	0	0	0	0	---	---	17
18	---	---	0B	0 B	0.090	0	0	0	0	0	---	---	18
19	---	---	0B	0 B	0.069	0	0	0	0	0	---	---	19
20	---	---	0B	0.4878	0.075	0	0	0	0	0	---	---	20
21	---	---	0B	3.28	0.063	0	0	0	0	0	---	---	21
22	---	---	0B	7.04	0.061	0	0	0	0	0	---	---	22
23	---	---	0B	8.58	0.048	0	0	0	0	0	---	---	23
24	---	---	0B	8.81	0.038	0	0	0	0	0	---	---	24
25	---	---	0B	4.11	0.034	0	0	0	0	0	---	---	25
26	---	---	0B	4.01	0.030	0	0	0	0	0	---	---	26
27	---	---	0B	3.36	0.026	0	0	0	0	0	---	---	27
28	---	---	0B	2.58	0.018	0	0	0	0	0	---	---	28
29	---		0B	1.80	0.013	0.024	0	0	0	0	---	---	29
30	---		0B	1.46	0.012	0	0	0	0	0	---	---	30
31	---		0B		0.008		0	0		0		---	31
TOTAL	---	---	0	43.897	7.881	0.174	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	1.46	0.248	0.008	0	0	0	0	---	---	MEAN
MAX	---	---	0	8.58	1.32	0.038	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0.008	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.210
MAXIMUM DAILY, 8.58 ON APR 23
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
11.8 AT 05:05 CST ON APR 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 28 53 N
LONG 104 19 33 W
DRAINAGE AREA, 185 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	3 780	OCT	0
MAY	665	NOV	---
JUN	15.0	DEC	---

TOTAL DISCHARGE, 4 480 dam³

KENOSEE LAKE NEAR CARLYLE - STATION NO. 05ND003

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	738.780E	738.800E	738.860E	738.885	738.806	738.787	738.633	738.572	---	---	1
2	---	---	---	---	738.861A	738.881	738.839	738.782	738.630	738.574	---	---	2
3	---	---	---	---	738.863	738.878	738.862	738.760	738.621	736.575	---	---	3
4	---	---	---	---	738.863	738.872	738.854	738.744	738.612	738.576	---	---	4
5	---	---	---	---	738.862	738.868	738.852	738.739	738.608	738.57 A	---	---	5
6	---	---	---	---	738.863	738.865	738.850	738.733	738.600	---	---	---	6
7	---	---	---	---	738.860	738.864	738.850	738.725	738.594	---	---	---	7
8	---	---	---	---	738.858	738.862	738.846	738.720	738.588	---	738.535A	---	8
9	---	---	---	---	738.862	738.861	738.853	738.715	738.597	---	---	---	9
10	---	---	---	---	738.867	738.861	738.858	738.709	738.597	---	---	---	10
11	---	---	---	---	738.858	738.857	738.851	738.702	738.592	---	---	---	11
12	---	---	---	---	738.858	738.855	738.845	738.694	738.598	---	---	---	12
13	---	---	---	---	738.857	738.848	738.841	738.683	738.596	---	---	---	13
14	---	---	---	---	738.890	738.844	738.839	738.678	738.581	---	---	---	14
15	---	---	---	---	738.889	738.839	738.833	738.674	738.595	---	---	---	15
16	---	---	---	---	738.891	738.835	738.828	738.669	738.594	---	---	---	16
17	---	---	---	---	738.891	738.832	738.818	738.662	738.594	---	---	---	17
18	---	---	---	---	738.893	738.826	738.816	738.658	738.586	---	---	---	18
19	---	---	---	---	738.898	738.825	738.814	738.649	738.576	---	---	---	19
20	---	---	---	---	738.901	738.824	738.810	738.641	738.571	---	---	---	20
21	---	---	---	---	738.901	738.828	738.818	738.634	738.563	---	---	---	21
22	---	---	---	---	738.899	738.832	738.813	738.630	738.565	---	---	---	22
23	---	---	---	---	738.900	738.828	738.802	738.627	738.561	---	---	---	23
24	---	---	---	---	738.900	738.824	738.798	738.625	738.561	---	---	---	24
25	---	---	---	---	738.898	738.823	738.793	738.625	738.560	---	---	---	25
26	---	---	---	---	738.895	738.818	738.790	738.622	738.560	---	---	---	26
27	---	---	---	---	738.893	738.813	738.788	738.620	738.560	---	---	---	27
28	---	---	---	---	738.889	738.809	738.780	738.622	738.560	---	---	---	28
29	---		---	---	738.883	738.805	738.773	738.629	738.558	---	---	---	29
30	---		738.787A	738.880E	738.888	738.807	738.787	738.628	738.587	---	---	---	30
31	---		738.800E		738.886		738.781	738.627		738.540E		---	31
MEAN	---	---	---	---	738.881	738.842	738.821	738.678	738.586	---	---	---	MEAN
MAX	---	---	---	---	738.901	738.885	738.862	738.787	738.633	---	---	---	MAX
MIN	---	---	---	---	738.858	738.805	738.781	738.620	738.558	---	---	---	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MAXIMUM DAILY, 738.901 ON MAY 20

MAXIMUM INSTANTANEOUS,
738.902 AT 16:39 CST ON MAY 20

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 49 55 N
LONG 102 17 28 W

A - MANUAL GAUGE
E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

KIPABISKAU LAKE NEAR MCKAGUE - STATION NO. 05LA007

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	513.772	513.552	---	---	513.449	513.426	---	---	1
2	---	---	---	---	---	513.547	---	513.535	513.449	---	513.452	---	2
3	---	---	---	---	513.738	513.546	---	513.535	---	513.428	---	---	3
4	---	---	---	---	---	---	513.587	513.531	---	---	---	---	4
5	---	---	---	---	513.718	---	---	513.530	---	513.426	513.442	---	5
6	---	---	---	---	---	513.546	---	---	513.448	513.426	---	---	6
7	---	---	---	---	---	513.546	---	---	---	---	---	---	7
8	---	---	---	---	513.688	513.546	---	513.504	513.430	---	513.448	---	8
9	---	---	---	---	---	513.543	---	513.502	513.438	513.426	---	---	9
10	---	---	---	---	---	513.541	---	513.494	513.450	---	---	---	10
11	---	---	---	---	513.684	---	513.539	513.483	513.452	---	---	---	11
12	---	---	---	---	513.680	---	513.539	513.483	513.448	---	---	---	12
13	---	---	---	---	---	513.535	513.540	---	513.448	513.424	513.458	---	13
14	---	---	---	---	---	513.534	513.539	---	513.446	---	---	---	14
15	---	---	---	---	513.656	513.540	513.538	---	513.446	---	---	---	15
16	---	---	---	---	---	513.538	---	---	513.444	---	---	---	16
17	---	---	---	---	513.648	513.536	---	513.482	---	513.422	---	---	17
18	---	---	---	---	---	---	513.534	513.472	---	---	513.474	---	18
19	---	---	---	---	---	---	513.528	---	---	513.420	513.478	---	19
20	---	---	---	---	---	513.533	513.530	---	513.438	---	---	---	20
21	---	---	---	---	513.648	513.523	513.517	---	513.438	---	513.478	---	21
22	---	---	---	---	---	513.523	513.527	513.487	513.438	---	---	---	22
23	---	---	---	---	513.636	513.525	---	513.481	---	---	---	---	23
24	---	---	---	---	513.616	---	---	513.481	513.438	513.428	---	---	24
25	---	---	---	---	---	---	513.587	513.481	---	---	---	---	25
26	---	---	---	---	513.587	---	513.586	513.480	513.432	---	---	---	26
27	---	---	---	---	513.578	513.526	513.576	---	513.430	---	---	---	27
28	---	---	---	---	---	513.522	513.576	---	---	513.440	---	---	28
29	---		---	---	---	513.522	513.574	513.480	513.428	---	---	---	29
30	---		---	---	513.563	513.513	---	513.480	513.428	513.440	---	---	30
31	---		---		513.557		---	513.480		513.440		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 34 15 N
LONG 104 11 04 W
DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

KNOX COULEE NEAR TUXFORD - STATION NO. 05JE015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.180	0	0	0	0.008	0	0	---	---	1
2	---	---	0 B	0.085	0	0	0	0.005	0	0	---	---	2
3	---	---	0 B	0.057	0	0	0	0.003	0	0	---	---	3
4	---	---	0 B	0.031	0	0	0	0.002	0	0	---	---	4
5	---	---	0 B	0.017	0	0	0	0.001	0	0	---	---	5
6	---	---	0 B	0.008	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0.003	0	0	0	0	0	0	---	---	7
8	---	---	0 B	0.001	0	0	0	0	0	0	---	---	8
9	---	---	0 B	0.001	0	0	0	0	0	0	---	---	9
10	---	---	0 B	0.001	0	0	0	0	0	0	---	---	10
11	---	---	0 B	0.001	0	0	0	0	0	0	---	---	11
12	---	---	0 B	0.001	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0.001	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0.001	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0.001	0	0	0	0	0	0	---	---	15
16	---	---	0 B	0.001	0	0	0	0	0	0	---	---	16
17	---	---	0 B	0	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0	0	0	0.012	0	0	0	---	---	20
21	---	---	0 B	0	0	0	0.106	0	0	0	---	---	21
22	---	---	0 B	0	0	0	0.148	0	0	0	---	---	22
23	---	---	0 B	0	0	0	0.070	0	0	0	---	---	23
24	---	---	0 B	0	0	0	0.025	0	0	0	---	---	24
25	---	---	0 B	0	0	0	0.006	0	0	0	---	---	25
26	---	---	0 B	0	0	0	0.003	0	0	0	---	---	26
27	---	---	0 B	0	0	0	0.001	0	0	0	---	---	27
28	---	---	0 B	0	0	0	0.001	0	0	0	---	---	28
29	---		0 B	0	0	0	0.018	0	0	0	---	---	29
30	---		0 B	0	0	0	0.013	0	0	0	---	---	30
31	---		0.224B		0		0.006	0		0		---	31
TOTAL	---	---	0.224	0.370	0	0	0.410	0.017	0	0	---	---	TOTAL
MEAN	---	---	0.007	0.012	0	0	0.013	0.001	0	0	---	---	MEAN
MAX	---	---	0.224	0.180	0	0	0.148	0.008	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.004
MAXIMUM DAILY, 0.224B ON MAR 31
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.405B AT 11:30 CST ON MAR 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 41 41 N
LONG 105 36 05 W
DRAINAGE AREA, 24.1 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	35.4
FEB	---	AUG	1.47
MAR	19.4	SEP	0
APR	32.0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 88.3 dam³

KOHLESCHMIDT CREEK NEAR ROSTHERN - STATION NO. 05HH003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 E	0.082	0.005	0	0	0	0	0.001	---	1
2	---	---	0B	0 E	0.076	0.004	0	0	0	0	0.002A	---	2
3	---	---	0B	0 E	0.070	0.003	0	0	0	0	---	---	3
4	---	---	0B	0 E	0.059	0.002	0	0	0	0	---	---	4
5	---	---	0B	0 E	0.081	0	0	0	0	0	---	---	5
6	---	---	0B	0 E	0.065	0	0	0	0	0	---	---	6
7	---	---	0B	0.200B	0.048	0	0	0	0	0	---	---	7
8	---	---	0B	4.63 E	0.054	0	0	0	0	0	---	---	8
9	---	---	0B	5.86 E	0.059	0	0	0	0	0	---	---	9
10	---	---	0B	2.00 E	0.065	0	0	0	0	0	---	---	10
11	---	---	0B	1.40 E	0.063	0	0	0	0	0	---	---	11
12	---	---	0B	1.10 E	0.048	0	0	0	0	0	---	---	12
13	---	---	0B	0.858B	0.040	0	0	0	0	0	---	---	13
14	---	---	0B	0.860B	0.040	0	0	0	0	0	---	---	14
15	---	---	0B	1.20 E	0.037	0	0	0	0	0	---	---	15
16	---	---	0B	1.50 E	0.035	0	0	0	0	0	---	---	16
17	---	---	0B	1.40 E	0.038	0	0	0	0	0	---	---	17
18	---	---	0B	1.27	0.033	0	0	0	0	0	---	---	18
19	---	---	0B	1.07	0.028	0	0	0	0	0	---	---	19
20	---	---	0B	0.800	0.032	0	0	0	0	0	---	---	20
21	---	---	0B	0.606	0.030	0	0	0	0.002	0	---	---	21
22	---	---	0B	0.488	0.025	0	0	0	0.024	0	---	---	22
23	---	---	0B	0.388	0.021	0	0	0	0.022	0.002	---	---	23
24	---	---	0B	0.288	0.021	0	0	0	0.011	0.008	---	---	24
25	---	---	0B	0.318	0.022	0	0	0	0.001	0.003	---	---	25
26	---	---	0B	0.287	0.020	0	0	0	0	0.001	---	---	26
27	---	---	0B	0.202	0.017	0	0	0	0	0.002	---	---	27
28	---	---	0B	0.158	0.015	0	0	0	0	0.001	---	---	28
29	---		0B	0.133	0.013	0	0	0	0	0.001	---	---	29
30	---		0B	0.108	0.010	0	0	0	0	0.001	---	---	30
31	---		0B		0.007		0	0		0.001		---	31
TOTAL	---	---	0	28.368	1.190	0.014	0	0	0.060	0.020	---	---	TOTAL
MEAN	---	---	0	0.946	0.038	0	0	0	0.002	0.001	---	---	MEAN
MAX	---	---	0	5.86	0.082	0.005	0	0	0.024	0.008	---	---	MAX
MIN	---	---	0	0	0.007	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.121
MAXIMUM DAILY, 5.86B ON APR 9
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
12.4B AT 09:40 CST ON APR 9

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 44 50 N
LONG 106 22 06 W
DRAINAGE AREA, 382 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	5.18
APR	2 450	OCT	1.73
MAY	103	NOV	---
JUN	1.31	DEC	---

TOTAL DISCHARGE, 2 560 dam³

LAC DES ILES NEAR GOODSOIL - STATION NO. 05AF009

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	26.263E	26.259	26.377	26.457	26.383	26.305	26.288	---	1
2	---	---	---	---	26.263E	26.261	26.383	26.457	26.342	26.305	26.278	---	2
3	---	---	---	---	26.263E	26.259	26.387	26.457	26.383	26.305	26.274	---	3
4	---	---	---	---	26.263E	26.257	26.389	26.457	26.387	26.303	26.274	---	4
5	---	---	---	---	26.263E	26.257	26.393	26.457	26.390E	26.303	26.274	---	5
6	---	---	---	---	26.263E	26.255	26.395	26.453	26.393	26.331	26.274	---	6
7	---	---	---	---	26.263	26.259	26.397	26.452E	26.393	26.331	26.274	---	7
8	---	---	---	---	26.263E	26.263	26.405E	26.453	26.393	26.329	26.274	---	8
9	---	---	---	---	26.263	26.265	26.413E	26.451	26.389	26.320	26.274	---	9
10	---	---	---	---	26.263E	26.267	26.421	26.447	26.387	26.324E	26.270	---	10
11	---	---	---	---	26.263	26.267	26.421	26.447	26.382	26.318	26.270	---	11
12	---	---	---	---	26.261E	26.267	26.421	26.447	26.380	26.316	26.270	---	12
13	---	---	---	---	26.259	26.267	26.423	26.447	26.376	26.311	26.268	---	13
14	---	---	---	---	26.258E	26.267	26.423	26.446E	26.376	26.309	26.266	---	14
15	---	---	---	---	26.257	26.263	26.423	26.432	26.376E	26.304E	26.260	---	15
16	---	---	---	---	26.257E	26.261	26.423	26.428	26.380	26.298	26.260	---	16
17	---	---	---	---	26.257	26.260E	26.423	26.427	26.380E	26.295	26.260	---	17
18	---	---	---	---	26.257E	26.258E	26.423	26.421	26.380E	26.293	26.260	---	18
19	---	---	---	---	26.257	26.257	26.423	26.417	26.380E	26.291	26.260	---	19
20	---	---	---	---	26.258E	26.257	26.423	26.415E	26.380	26.291	26.260	---	20
21	---	---	---	---	26.260E	26.257	26.427	26.413	26.376	26.291	26.260	---	21
22	---	---	---	---	26.261	26.257	26.440E	26.403	26.372	26.289	26.260	---	22
23	---	---	---	---	26.262E	26.257	26.453	26.399	26.372	26.288	---	---	23
24	---	---	---	---	26.263	26.257	26.455	26.397	26.372	26.284	---	---	24
25	---	---	---	---	26.264E	26.317	26.457	26.393	26.370	26.280	---	---	25
26	---	---	---	---	26.265E	26.323	26.457E	26.393	26.370	26.280	---	---	26
27	---	---	---	---	26.267	26.333	26.457E	26.389	26.370	26.278	---	---	27
28	---	---	---	---	26.267E	26.351	26.457	26.391E	26.370	26.276	---	---	28
29	---		---	---	26.267	26.367	26.457	26.393	26.370	26.276	---	---	29
30	---		---	---	26.265E	26.367	26.457	26.391	26.370	26.270	---	---	30
31	---		---		26.263		26.457	26.391		26.266		---	31
MEAN	---	---	---	---	26.262	26.277	26.425	26.428	26.380	26.309	---	---	MEAN
MAX	---	---	---	---	26.267	26.367	26.457	26.457	26.393	26.305	---	---	MAX
MIN	---	---	---	---	26.257	26.255	26.377	26.389	26.370	26.266	---	---	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MAXIMUM DAILY, 26.457 ON JUL 25

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 26 27 N
LONG 109 18 51 W

E - ESTIMATED

DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

LAC LA RONGE AT LA RONGE - STATION NO. 06CB001

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	383.851	383.882	383.889	383.898	383.939	384.080	384.273	384.287	384.142	384.048	383.985	383.910	1
2	383.864	383.884	383.890	383.898	383.945	384.115	384.289	384.283	384.158	384.046	383.982	383.918	2
3	383.868	383.878	383.894	383.896	383.954	384.139	384.271	384.281	384.119	384.049	383.983	383.917	3
4	383.884	383.878	383.891	383.896	383.957	384.148	384.286	384.285	384.140	384.032	383.982	383.918	4
5	383.881	383.878	383.894	383.897	383.983	384.149	384.280	384.286	384.149	384.010	383.922	383.930	5
6	383.882	383.878	383.895	383.895	383.981	384.162	384.267	384.289	384.151	384.022	383.951	383.921	6
7	383.886	383.882	383.895	383.893	383.973	384.172	384.273	384.241	384.155	384.018	383.948	383.918	7
8	383.887	383.885	383.896	383.892	383.984	384.181	384.273	384.257	384.153	384.022	383.933	383.917	8
9	383.884	383.887	383.900	383.888	383.981	384.191	384.269	384.241	384.152	384.018	383.963	383.918	9
10	383.883	383.886	383.901	383.891	383.990	384.196	384.280	384.246	384.151	383.986	383.944	383.924	10
11	383.886	383.891	383.898	383.896	383.995	384.196	384.285	384.243	384.149	384.001	383.951	383.924	11
12	383.870	383.893	383.897	383.898	383.998	384.192	384.285	384.230	384.145	384.007	383.942	383.924	12
13	383.871	383.891	383.900	383.899	383.999	384.193	384.284	384.215	384.140	384.003	383.924	383.922	13
14	383.870	383.892	383.901	383.901	384.001	384.204	384.277	384.227	384.140	384.010	383.927	383.923	14
15	383.876	383.888	383.895	383.899	384.002	384.218	384.261	384.211	384.137	384.003	383.933	383.923	15
16	383.872	383.885	383.894	383.902	384.003	384.222	384.271	384.220	384.131	383.976	383.933	383.921	16
17	383.878	383.892	383.896	383.898	384.006	384.221	384.246	384.203	384.112	383.993	383.924	383.920	17
18	383.878	383.892	383.894	383.900	384.009	384.226	384.256	384.201	384.088	383.991	383.924	383.923	18
19	383.878	383.888	383.895	383.895	384.016	384.227	384.261	384.162	384.082	383.988	383.924	383.924	19
20	383.877	383.884	383.895	383.899	384.016	384.226	384.256	384.199	384.097	383.985	383.927	383.922	20
21	383.880	383.886	383.896	383.900	384.027	384.226	384.274	384.171	384.106	383.982	383.935	383.922	21
22	383.874	383.880	383.895	383.901	384.028	384.231	384.264	384.162	384.097	383.986	383.936	383.922	22
23	383.872	383.882	383.897	383.903	384.027	384.227	384.276	384.178	384.081	383.976	383.936	383.920	23
24	383.873	383.882	383.898	383.905	384.034	384.232	384.274	384.174	384.086	383.971	383.918	383.935	24
25	383.889	383.889	383.900	383.912	384.051	384.269	384.283	384.184	384.086	383.971	383.911	383.934	25
26	383.872	383.887	383.902	383.914	384.048	384.280	384.278	384.187	384.094	383.972	383.913	383.928	26
27	383.878	383.887	383.902	383.921	384.040	384.286	384.284	384.181	384.071	383.982	383.918	383.927	27
28	383.880	383.888	383.904	383.928	384.048	384.287	384.279	384.187	384.083	383.981	383.930	383.928	28
29	383.888		383.900	383.929	384.059	384.281	384.287	384.188	384.088	383.988	383.930	383.931	29
30	383.886		383.899	383.935	384.057	384.284	384.285	384.188	384.088	383.988	383.918	383.930	30
31	383.888		383.897		384.059		384.286	384.184		383.982		383.934	31
MEAN	383.871	383.887	383.897	383.903	384.006	384.206	384.269	384.212	384.118	383.997	383.935	383.922	MEAN
MAX	383.886	383.895	383.904	383.935	384.059	384.286	384.287	384.287	384.158	384.048	383.982	383.936	MAX
MIN	383.851	383.878	383.889	383.888	383.939	384.080	384.256	384.184	384.048	383.971	383.911	383.910	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MEAN, 384.010
MAXIMUM DAILY, 384.287 ON JUL 25
MINIMUM DAILY, 383.851 ON JAN 1
MAXIMUM INSTANTANEOUS,
384.400 AT 03:41 CST ON JUL 9

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 06 30 N
LONG 105 16 10 W

REGULATED SINCE 1969

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - THE MAXIMUM INSTANTANEOUS WATER LEVEL OCCURRED AS A RESULT OF WIND EFFECT

LAC PELLETIER NEAR VESPER - STATION NO. 05HD028

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	828.998E	829.158	829.095E	829.057	829.065	828.985E	828.798E	828.676E	828.671E	---	1
2	---	---	829.003E	829.155E	829.091	829.054E	828.991E	828.960	828.800	828.675E	828.671	---	2
3	---	---	829.007E	829.153E	829.088E	829.050	828.997E	828.958	828.786E	828.676	828.671E	---	3
4	---	---	829.012E	829.160	829.084	829.047E	829.003	828.958E	828.772E	828.674E	828.671	---	4
5	---	---	829.016E	829.157E	829.081E	829.045E	829.002E	828.954	828.768	828.673	828.670E	---	5
6	---	---	829.021E	829.155	829.078	829.042	829.001	828.948E	828.750E	828.673E	828.668E	---	6
7	---	---	829.026E	829.148E	829.074E	829.041E	829.003E	828.938E	828.742	828.673	828.667	---	7
8	---	---	829.030	829.143	829.070E	829.040	829.002	828.930	828.738E	828.672E	828.669E	---	8
9	---	---	829.031E	829.140E	829.067	829.037E	829.019E	828.924E	828.733	828.671E	828.671	---	9
10	---	---	829.031E	829.137E	829.088E	829.035	829.037E	828.918	828.730E	828.669	828.671E	---	10
11	---	---	829.033	829.133	829.100	829.034E	829.054	828.921E	828.727E	828.668E	828.671	---	11
12	---	---	829.041E	829.132E	829.100E	829.034E	829.056E	828.924	828.723	828.667	828.671E	---	12
13	---	---	829.051E	829.130	829.101	829.033	829.053	828.917E	828.721E	828.667E	828.671E	---	13
14	---	---	829.060	829.128E	829.086E	829.031E	829.044E	828.910E	828.719	828.667	828.671	---	14
15	---	---	829.068E	829.126	829.090E	829.030	829.035	828.904	828.717E	828.667E	828.672E	---	15
16	---	---	829.073	829.121E	829.084	829.028E	829.035E	828.899E	828.715	828.667E	828.673	---	16
17	---	---	829.074E	829.116E	829.082E	829.026	829.034E	828.894	828.711E	828.667	828.674E	---	17
18	---	---	829.075	829.111	829.080	829.023E	829.034	828.887E	828.706E	828.667E	828.675	---	18
19	---	---	829.077E	829.110E	829.080E	829.020E	829.034E	828.880	828.701	828.667	---	---	19
20	---	---	829.079E	829.110	829.079	829.018	829.036	828.873E	828.696E	828.667E	---	---	20
21	---	---	829.082	829.118E	829.078E	829.007E	829.024E	828.866E	828.691	828.667	---	---	21
22	---	---	829.082E	829.120	829.080E	828.997	829.014	828.859	828.690E	828.667E	---	---	22
23	---	---	829.082	829.117E	829.080	828.991	829.007E	828.840E	828.688	828.667E	---	---	23
24	---	828.976	829.084E	829.115E	829.078E	828.988	828.999E	828.822	828.688E	828.667	---	---	24
25	---	828.980E	829.086	829.113	829.078	828.986E	828.992	828.820E	828.688E	828.666E	---	---	25
26	---	828.984E	829.088E	829.109E	829.074	828.988E	828.980E	828.818E	828.687	828.668	---	---	26
27	---	828.988E	829.090E	829.104	829.066	828.984	828.965	828.816E	828.680E	828.667E	---	---	27
28	---	828.992E	829.092	829.103E	829.064E	828.963E	828.963E	828.814E	828.673	828.665	---	---	28
29	---		829.096E	829.101	829.062E	828.961	828.960	828.812	828.672	828.667E	---	---	29
30	---		829.099	829.098E	829.061	828.963E	828.975E	828.804E	828.676	828.668E	---	---	30
31	---		829.133E		829.058E		828.970E	828.796		828.671		---	31
MEAN	---	---	829.066	829.126	829.081	829.020	829.012	828.888	828.719	828.669	---	---	MEAN
MAX	---	---	829.133	829.158	829.101	829.057	829.065	828.985	828.800	828.676	---	---	MAX
MIN	---	---	828.998	829.098	829.058	828.961	828.970	828.796	828.672	828.665	---	---	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MAXIMUM DAILY, 829.158 ON APR 1

TYPE OF GAUGE - MANUAL
LOCATION - LAT 50 00 35 N
LONG 107 56 00 W

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE ATHABASCA NEAR CRACKINGSTONE POINT - STATION NO. 07MC003

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	208.335	208.232A	208.180	208.079	208.167E	208.421	208.545	209.113	209.143	208.883A	208.661	208.495	1
2	208.332	208.231A	208.181	208.072	208.216E	208.413	208.568	209.112	209.108	208.833A	208.657	208.486	2
3	208.340	208.230E	208.175	208.061A	208.247E	208.418	208.588	209.153	209.110	208.853	208.653	208.479	3
4	208.338	208.230E	208.175	208.077A	208.275E	208.438	208.573	209.201	209.112	208.874	208.646	208.473	4
5	208.337	208.228E	208.168	208.088	208.287E	208.445	208.584	209.182	209.110	208.885A	208.633	208.488	5
6	208.327	208.226E	208.169	208.090	208.312E	208.447	208.623A	209.232A	209.101	208.845A	208.629	208.486	6
7	208.321	208.227E	208.163	208.098A	208.334E	208.457	208.625	209.220A	209.075	208.830A	208.623	208.476	7
8	208.337	208.227E	208.153	208.112E	208.345E	208.461	208.638A	209.226A	209.083A	208.808A	208.606	208.459	8
9	208.338	208.226E	208.144	208.140E	208.351E	208.447	208.667A	209.224	209.077A	208.828A	208.606	208.443	9
10	208.315	208.225E	208.152	208.148E	208.357A	208.484	208.708A	209.232A	209.067	208.833A	208.613	208.435	10
11	208.301A	208.225E	208.148	208.167E	208.363A	208.484	208.684	209.275A	209.081	208.803	208.588	208.443	11
12	208.294	208.224E	208.143	208.126A	208.373A	208.475	208.696	209.269	209.056	208.801A	208.590	208.432	12
13	208.287A	208.223E	208.137	208.107	208.381A	208.483	208.711	209.272A	209.043A	208.771A	208.582	208.433	13
14	208.283	208.222E	208.141	208.118	208.392E	208.483	208.691A	209.234	209.046	208.742	208.588	208.424	14
15	208.306	208.222E	208.154	208.118A	208.384A	208.484	208.713	209.237	209.069	208.760	208.573	208.425	15
16	208.288A	208.221E	208.149	208.139A	208.403A	208.518	208.774	209.247A	209.024	208.745	208.574	208.422	16
17	208.285A	208.220E	208.145	208.117	208.382A	208.502	208.827	209.239	208.999	208.734	208.560	208.418	17
18	208.293	208.220E	208.144	208.123A	208.387	208.534	208.836	209.231	208.973	208.744	208.545	208.414	18
19	208.286	208.219E	208.131	208.177E	208.397A	208.500	208.863	209.212	208.987	208.727	208.542	208.414	19
20	208.281	208.218E	208.133	208.158A	208.402A	208.495	208.858	209.235A	208.986	208.723	208.538	208.413	20
21	208.288	208.217E	208.132	208.135A	208.408A	208.508	208.857	209.227	208.982	208.718	208.543	208.414	21
22	208.294	208.218A	208.118	208.118A	208.403	208.518	208.903	209.228	208.968A	208.717	208.544	208.408	22
23	208.280	208.217	208.113	208.121A	208.401	208.524	208.937	209.221	208.974A	208.703	208.533	208.412	23
24	208.281	208.208	208.112	208.113A	208.400A	208.538A	208.985	209.204A	208.968A	208.733	208.525	208.413	24
25	208.244A	208.218	208.103	208.120A	208.402E	208.482A	208.987	209.207	208.980A	208.703	208.520	208.398	25
26	208.248E	208.203	208.103	208.131E	208.408E	208.508	208.977	209.184	209.014A	208.699	208.527	208.394	26
27	208.248A	208.194	208.089	208.160E	208.407E	208.515	209.012	209.189	208.970A	208.687	208.539	208.382	27
28	208.244	208.187	208.100	208.168E	208.411E	208.528	209.028	209.180	208.938A	208.688	208.517	208.380	28
29	208.242		208.102	208.138E	208.415E	208.550	209.054	209.184	208.907A	208.694	208.517	208.380	29
30	208.251		208.089	208.179E	208.418E	208.535	209.090	209.196	208.917	208.671	208.526	208.374	30
31	208.249		208.080		208.421E		209.081	209.169		208.674		208.369	31
MEAN	208.293	208.220	208.137	208.132	208.364	208.485	208.794	209.209	209.022	208.765	208.576	208.428	MEAN
MAX	208.340	208.232	208.180	208.177	208.421	208.550	209.090	209.275	209.143	208.883	208.661	208.495	MAX
MIN	208.242	208.187	208.080	208.061	208.167	208.413	208.545	209.112	208.907	208.671	208.517	208.369	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MEAN, 208.537
MAXIMUM DAILY, 209.275A ON AUG 11
MINIMUM DAILY, 208.061A ON APR 3
MAXIMUM INSTANTANEOUS,
209.301 AT 14:45 CST ON AUG 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 59 22 55 N
LONG 108 52 50 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - THE MAXIMUM INSTANTANEOUS WATER LEVEL OCCURRED AS A RESULT OF WIND EFFECT

LAKE DIEFENBAKER AT GARDINER DAM - STATION NO. 05HF003

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	883.885	881.830	880.317A	880.902	880.448	881.123	882.818	883.078	882.864	882.181	882.872	882.045	1
2	883.899	881.788	880.308E	880.931	880.487	881.107	882.837	883.082	882.863	882.130	882.866	882.019	2
3	883.852	881.886	880.298E	880.883	880.488	881.252	882.870	883.084	882.860	882.088	882.858	881.992	3
4	883.384	881.807A	880.288E	880.818	880.842	881.367	882.884	883.717	882.888	882.070	882.835	881.966	4
5	883.328	881.848A	880.185E	880.866	880.885	881.443	882.837	883.787	882.896	882.021	882.830	881.885	5
6	883.288	881.488A	880.180E	880.180	880.822	881.880	882.888	883.731	882.888	882.988	882.804	881.831	6
7	883.226	881.421	880.197E	880.161	880.888	881.838	882.881	883.788	882.888	882.888	882.478	881.781	7
8	883.188	881.288A	880.113A	880.178	880.711	881.718	882.782	883.783	882.811	882.858	882.448	881.728	8
9	883.133	881.288	880.084	880.184	880.884	881.887	882.788	883.714	882.831	882.824	882.427	881.884	9
10	883.083	881.248	880.888	880.238	880.712	881.873	882.778	883.788	882.888	882.887	882.388	881.878	10
11	883.883	881.178	880.882	880.284	880.788	881.838	882.888	883.788	882.888	882.878	882.388	881.832	11
12	882.888	881.138	880.888	880.288	880.728	881.878	882.884	883.713	882.888	882.882	882.488	881.888	12
13	882.821	881.088	880.884	880.318	880.788	881.838	882.823	883.888	882.474	882.848	882.388	881.884	13
14	882.861	881.888	880.837	880.338	880.784	882.888	882.881	883.713	882.884	882.823	882.377	881.883	14
15	882.819	880.838	880.883	880.388	880.788	882.183	883.842	883.888	882.487	882.812	882.371	881.482	15
16	882.738	880.888	880.818	880.388	880.777	882.183	883.128	883.887	882.488	882.787	882.387	881.418	16
17	882.878	880.788	848.887	880.382	880.888	882.288	883.182	883.887	882.488	882.778	882.382	881.388E	17
18	882.838	880.727	848.884	880.388	880.813	882.388	883.182	883.888	882.418	882.774	882.338	881.328	18
19	882.878	880.878A	848.888	880.888	880.838	882.383	883.338	883.888	882.383	882.777	882.338	881.288	19
20	882.833A	880.834	848.888	880.487	880.848	882.333	883.381	883.788	882.388	882.788	882.318	881.228	20
21	882.481A	880.882	848.881	880.411	880.888	882.328	883.387	883.881	882.373	882.738	882.312	881.178	21
22	882.411	880.881	848.884	880.418	880.884	882.348	883.488	883.878	882.388	882.728	882.312	881.123	22
23	882.358	880.834	848.882	880.438	880.884	882.348	883.488	883.887	882.388	882.788	882.388	881.087A	23
24	882.381	880.888	848.873	880.431	880.878	882.381	883.488	883.878	882.337	882.781	882.288	881.811E	24
25	882.348	880.478	848.884	880.418	880.882	882.431	883.848	883.878	882.338	882.884	882.288	880.888E	25
28	882.188	880.438	848.833	880.411	880.818	882.418	883.887	883.872	882.328	882.878	882.281	880.828E	26
27	882.141	880.387	848.817	880.413	880.838	882.424	883.888	883.881	882.388	882.848	882.227	880.888E	27
28	882.878	880.388	848.883	880.412	880.883	882.488	883.828	883.874	882.248	882.833	882.178	880.844E	28
29	882.821		848.883	880.414	880.877	882.478	883.848	883.883	882.212	882.818	882.134	880.881E	29
30	881.988		848.877	880.428	881.811	882.488	883.882	883.878	882.173	882.888	882.888	880.788A	30
31	881.814		848.881		881.883		883.888	883.887		882.888		880.718	31
MEAN	882.748	881.884	880.841	880.288	880.772	882.812	883.188	883.883	883.443	882.828	882.387	881.381	MEAN
MAX	883.885	881.838	880.317	880.431	881.883	882.488	883.888	883.731	883.883	883.181	882.872	882.845	MAX
MIN	881.814	880.388	848.877	848.882	880.448	881.123	882.818	883.887	883.172	882.888	882.888	880.718	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MEAN, 881.880
MAXIMUM DAILY, 883.731 ON AUG 8
MINIMUM DAILY, 848.877 ON MAR 30
MAXIMUM INSTANTANEOUS,
883.830 AT 00:40 CST ON AUG 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 10 40 N
LONG 105 00 15 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1968

WATER LEVELS ARE REFERRED TO TOPOGRAPHIC SURVEY DATUM

REMARKS - THE MAXIMUM INSTANTANEOUS WATER LEVEL OCCURRED AS A RESULT OF WIND EFFECT

LAKE DIEFENBAKER AT SASKATCHEWAN LANDING - STATION NO. 05HC004

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	880.378	848.888	880.372	881.238E	882.882	883.887	883.811	883.121	882.828	---	1
2	---	---	880.248	848.837	880.423	881.388E	882.828	883.888	883.483	883.884	882.888	---	2
3	---	---	880.238	848.888	880.482	881.428E	882.837	883.878	883.848	883.888	882.811A	---	3
4	---	---	880.234	848.881	880.888	881.478E	882.888	883.878	883.883	883.887	---	---	4
5	---	---	880.288	880.838	880.888	881.838E	882.822	883.784	883.481	882.871	---	---	5
6	---	---	880.388	880.888	880.842	881.888E	882.887	883.883	883.481	882.877	---	---	6
7	---	---	880.188	880.118	880.822	881.838E	882.883	883.788	883.488	882.828	---	---	7
8	---	---	880.188	880.131	880.888	881.718E	882.747	883.714	883.887	882.821	---	---	8
9	---	---	880.178	880.178	880.788	881.887E	882.748	883.781	883.444	882.883	---	---	9
10	---	---	880.132	880.188	880.788	881.873E	882.783	883.711	883.442	882.882	---	---	10
11	---	---	880.138	880.221	880.738	881.838E	882.823	883.781	883.487	882.838	---	---	11
12	---	---	880.888	880.283	880.718	881.878E	882.888	883.883	883.448	882.838	---	---	12
13	---	---	880.888	880.278	880.728	882.838E	882.828	883.871	883.484	882.818	---	---	13
14	---	---	880.874	880.288	880.748	882.883E	882.842	883.888	883.478	882.818	---	---	14
15	---	---	880.842	880.318	880.788	882.183E	883.822	883.881	883.438	882.771	---	---	15
16	---	---	848.884	880.332	880.781	882.183E	883.832	883.878	883.434	882.783	---	---	16
17	---	---	848.888	880.371	880.778	883.283E	883.133	883.888A	883.348	882.782	---	---	17
18	---	---	848.838	880.387	880.787	883.388E	883.188	883.883	883.331	882.788	---	---	18
19	---	---	848.887	880.422	880.812	883.383E	883.228	883.881	883.338	882.732	---	---	19
20	---	---	848.888	880.488	880.884	883.333E	883.284	883.888	883.338	882.788	---	---	20
21	---	---	848.847	880.418	880.818A	883.338E	883.387	883.871	883.348	882.883	---	---	21
22	---	880.828A	848.888	880.484	880.838E	883.348E	883.388	883.871	883.333	882.881	---	---	22
23	---	880.488	848.888	880.384	880.838E	883.378E	883.431	883.888	883.318	882.884	---	---	23
24	---	880.488	848.831	880.438	880.848E	883.381E	883.488	883.837	883.388	882.838	---	---	24
25	---	880.418	848.818	880.427	880.888A	883.431E	883.813	883.888	883.388	882.814	---	---	25
26	---	880.387	848.877	880.383	880.848	883.418E	883.888	883.888	883.271	882.817	---	---	26
27	---	880.348	848.888	880.388	881.813	883.428E	883.888	883.827	883.233	882.888	---	---	27
28	---	880.317	848.887	880.382	881.888A	883.488E	883.883	883.888	883.187	882.888	---	---	28
29	---		848.838	880.388	881.188E	883.488A	883.814	883.838	883.188	882.878	---	---	29
30	---		848.873	880.387	881.148E	883.478	883.833	883.838	883.184	882.888	---	---	30
31	---		848.881		881.188E		883.888	883.812		882.844			31
MEAN	---	---	880.837	880.388	880.774	883.832	883.881	883.878	883.388	882.788	---	---	MEAN
MAX	---	---	880.278	880.438	881.188	883.478	883.888	883.714	883.811	883.121	---	---	MAX
MIN	---	---	848.838	848.888	880.372	881.238	882.882	883.812	883.184	882.844	---	---	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MAXIMUM DAILY, 883.714 ON AUG 8
MINIMUM DAILY, 848.838 ON MAR 28
MAXIMUM INSTANTANEOUS,
883.848 AT 23:43 CST ON AUG 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 39 31 N
LONG 107 55 00 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO TOPOGRAPHIC SURVEY DATUM

REMARKS - THE MAXIMUM INSTANTANEOUS WATER LEVEL OCCURRED AS A RESULT OF WIND EFFECT

LAKE OF THE RIVERS WEST INFLOW - STATION NO. 05JD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.1530	1.11	0	0	0	0	0	0	0	---	1
2	---	0 B	0.1220	0.852	0	0	0	0	0	0	0	---	2
3	---	0 B	0.1080	0.625	0	0	0	0	0	0	---	---	3
4	---	0 B	0.3040	0.673	0	0	0	0	0	0	---	---	4
5	---	0 B	0.2820	0.502	0	0	0	0	0	0	---	---	5
6	---	0 B	0.2670	0.333	0	0	0	0	0	0	---	---	6
7	---	0 B	0.1520	0.245	0	0	0	0	0	0	---	---	7
8	---	0 B	0.1340	0.190	0	0	0	0	0	0	---	---	8
9	---	0 B	0.1060	0.155	0	0	0	0	0	0	---	---	9
10	---	0 B	0.3180	0.137	0	0	0	0	0	0	---	---	10
11	---	0 B	0.9860	0.105	0	0	0	0	0	0	---	---	11
12	---	0 B	0.8320	0.079	0	0	0	0	0	0	---	---	12
13	---	0 B	0.2880	0.064	0	0	0	0	0	0	---	---	13
14	---	0 B	0.3780	0.052	0	0	0	0	0	0	---	---	14
15	---	0 B	0.2940	0.048	0.001	0	0	0	0	0	---	---	15
16	---	0 B	0.1820	0.038	0.004	0	0	0	0	0	---	---	16
17	---	0 B	0.0980	0.032	0.002	0	0	0	0	0	---	---	17
18	---	0 B	0.0820	0.025	0.000	0	0	0	0	0	---	---	18
19	---	0 B	0.0280	0.018	0.079	0	0	0	0	0	---	---	19
20	---	0 B	0.0340	0.014	0.073	0	0	0	0	0	---	---	20
21	---	0 B	0.0230	0.010	0.047	0	0	0	0	0	---	---	21
22	---	0 B	0.0120	0.007	0.027	0	0	0	0	0	---	---	22
23	---	0 B	0.0100	0.005	0.018	0	0	0	0	0	---	---	23
24	---	0 B	0.0180	0.002	0.008	0	0	0	0	0	---	---	24
25	---	0 B	0.0210	0.001	0.005	0	0	0	0	0	---	---	25
26	---	0 B	0.0150	0	0.002	0	0	0	0	0	---	---	26
27	---	0.3010	0.0220	0	0	0	0	0	0	0	---	---	27
28	---	0 1880	0.2840	0	0	0	0	0	0	0	---	---	28
29	---		2.89 B	0	0	0	0	0	0	0	---	---	29
30	---		4.48	0	0	0	0	0	0	0	---	---	30
31	---		3.53		0		0	0		0		---	31
TOTAL	---	0 488	15.380	5.511	0.304	0	0	0	0	0	---	---	TOTAL
MEAN	---	0 017	0.526	0.184	0.010	0	0	0	0	0	---	---	MEAN
MAX	---	0.301	4.48	1.11	0.079	0	0	0	0	0	---	---	MAX
MIN	---	0	0.010	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.091
MAXIMUM DAILY, 4.48 ON MAR 30
MINIMUM DAILY, 0 ON APR 28
MAXIMUM INSTANTANEOUS,
7.080 AT 23:04 CST ON MAR 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 44 25 N
LONG 105 48 41 W
DRAINAGE AREA, 84.2 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	43.0	AUG	0
MAR	1 410	SEP	0
APR	476	OCT	0
MAY	35 3	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 1 910 dam³

LANIGAN CREEK ABOVE BOULDER LAKE - STATION NO. 05JJ003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	2.61	0 181	0	0 179	0	0	---	---	1
2	---	---	0B	0 B	2.32	0 148	0	0 180	0	0	---	---	2
3	---	---	0B	0 B	2.03	0 131	0.007	0 179	0	0	---	---	3
4	---	---	0B	0 B	1.76	0 118	0.006	0 187	0	0	---	---	4
5	---	---	0B	0 0018	1 58	0 106	0 003	0 180	0	0	---	---	5
6	---	---	0B	0 0028	1.33	0.087	0 002	0 140	0	0	---	---	6
7	---	---	0B	0 0018	0 781	0 076	0 001	0 128	0	0	---	---	7
8	---	---	0B	0 0018	0 853	0 083	0 001	0 120	0	0	---	---	8
9	---	---	0B	0 0018	0 598	0 048	0 128	0 113	0	0	---	---	9
10	---	---	0B	0 0018	0 897	0 038	0 098	0 104	0	0	---	---	10
11	---	---	0B	0 B	0 783	0 027	0 123	0 088	0	0	---	---	11
12	---	---	0B	0 0018	1 26	0 078	0 108	0 078	0	0	---	---	12
13	---	---	0B	0 1788	1 37	0 118	0 144	0 083	0	0	---	---	13
14	---	---	0B	0 3888	1 18	0 088	0 158	0 047	0	0	---	---	14
15	---	---	0B	0 2978	0 978	0 081	0 194	0 037	0	0	---	---	15
16	---	---	0B	0 2088	0 788	0 080	0 186	0 027	0	0	---	---	16
17	---	---	0B	0 1878	0 883	0 041	0 190	0 023	0	0	---	---	17
18	---	---	0B	0 144	0 658	0 030	0 146	0 018	0	0	---	---	18
19	---	---	0B	0 133	0 451	0 038	0 138	0 014	0	0	---	---	19
20	---	---	0B	0 133	0 378	0 031	0 153	0 008	0	0	---	---	20
21	---	---	0B	0 187	0 497	0 027	0 323	0 008	0	0	---	---	21
22	---	---	0B	0 374	0 411	0 038	0 158	0 004	0	0	---	---	22
23	---	---	0B	0 888	0 488	0 024	0 108	0 003	0	0	---	---	23
24	---	---	0B	1 52	0 548	0 022	0 157	0 003	0	0	---	---	24
25	---	---	0B	3 48	0 514	0 026	0 184	0 003	0	0	---	---	25
26	---	---	0B	3 10	0 481	0 048	0 287	0 001	0	0	---	---	26
27	---	---	0B	3 08	0 427	0 018	0 158	0 001	0	0	---	---	27
28	---	---	0B	3 00	0 328	0 008	0 158	0	0	0	---	---	28
29	---		0B	3 04	0 287	0 003	0 188	0	0	0	---	---	29
30	---		0B	2 81	0 328	0 001	0 184	0	0	0	---	---	30
31	---		0B		0 193		0 180	0		0		---	31
TOTAL	---	---	0	31.988	28.988	1.738	3.848	1.888	0	0	---	---	TOTAL
MEAN	---	---	0	0.733	0.871	0.058	0.124	0.080	0	0	---	---	MEAN
MAX	---	---	0	3.10	2.81	0 181	0.287	0 180	0	0	---	---	MAX
MIN	---	---	0	0	0 193	0 001	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.230
MAXIMUM DAILY, 3.10 ON APR 26
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
3.20 AT 13:10 CST ON APR 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 36 55 N
LONG 105 14 15 W
DRAINAGE AREA, 3 380 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	333
FEB	---	AUG	181
MAR	0	SEP	0
APR	1 900	OCT	0
MAY	3 330	NOV	---
JUN	159	DEC	---

TOTAL DISCHARGE, 4 870 dam³

REMARKS - DATA PRIOR TO 1983 PUBLISHED AS "LANIGAN CREEK BELOW DIVERSION"

LANIGAN CREEK NEAR LANIGAN - STATION NO. 05JJ010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	1.78	0.133	0.006	0.157	0	0.001	---	---	1
2	---	---	0B	0 B	1.62	0.102	0.006	0.100	0	0.001	---	---	2
3	---	---	0B	0 B	1.27	0.089	0.006	0.088	0	0.002	---	---	3
4	---	---	0B	0.0018	1.20	0.102	0.006	0.088	0	0.001	---	---	4
5	---	---	0B	0.0008	1.22	0.006	0.006	0.023	0	0.001	---	---	5
6	---	---	0B	0.0048	1.18	0.071	0.006	0.013	0.001	0.001	---	---	6
7	---	---	0B	0.0028	1.20	0.088	0.006	0.008	0.001	0.002	---	---	7
8	---	---	0B	0.0018	1.12	0.083	0.003	0.006	0.001	0.002	---	---	8
9	---	---	0B	0.1808	0.262	0.081	0.006	0.006	0.001	0.002	---	---	9
10	---	---	0B	0.1008	0.061	0.040	0.006	0.004	0.001	0.002	---	---	10
11	---	---	0B	0.1158	0.724	0.025	0.107	0.004	0.001	0.002	---	---	11
12	---	---	0B	0.0818	0.592	0.106	0.081	0.003	0.001	0.002	---	---	12
13	---	---	0B	0.1748	0.527	0.188	0.026	0.003	0.001	0.002	---	---	13
14	---	---	0B	0.3228	0.511	0.126	0.017	0.002	0.001	0.002	---	---	14
15	---	---	0B	0.9088	0.474	0.111	0.026	0.002	0.001	0.002	---	---	15
16	---	---	0B	0.8018	0.435	0.082	0.040	0.002	0.001	0.302	---	---	16
17	---	---	0B	0.5788	0.380	0.055	0.068	0.002	0.001	0.002	---	---	17
18	---	---	0B	1.04	0.238	0.041	0.033	0.002	0.001	0.002	---	---	18
19	---	---	0B	1.11	0.306	0.030	0.020	0.002	0.001	0.002	---	---	19
20	---	---	0B	1.16	0.261	0.020	0.020	0.002	0.001	0.002	---	---	20
21	---	---	0B	3.18	0.680	0.017	0.107	0.002	0.001	0.002	---	---	21
22	---	---	0B	3.84	0.272	0.012	0.188	0.002	0.001	0.002	---	---	22
23	---	---	0B	3.13	0.191	0.008	0.180	0.002	0.001	0.002	---	---	23
24	---	---	0B	3.61	0.100	0.008	0.183	0.001	0.001	0.002	---	---	24
25	---	---	0B	3.58	0.218	0.008	0.152	0.001	0.001	0.002	---	---	25
26	---	---	0B	3.38	0.214	0.308	0.358	0.001	0.001	0.002	---	---	26
27	---	---	0B	3.03	0.202	0.010	0.304	0.001	0.001	0.002	---	---	27
28	---	---	0B	2.64	0.183	0.007	0.248	0.001	0.001	0.002	---	---	28
29	---		0B	2.30	0.154	0.007	0.243	0.001	0.001	0.002	---	---	29
30	---		0B	1.87	0.135	0.008	0.302	0.001	0.001	0.002	---	---	30
31	---		0B		0.133		0.237	0.001		0.002A		---	31
TOTAL	---	---	0	37.008	19.174	1.705	3.089	0.513	0.025	0.057	---	---	TOTAL
MEAN	---	---	0	1.23	0.619	0.057	0.100	0.017	0.001	0.002	---	---	MEAN
MAX	---	---	0	3.84	1.78	0.188	0.358	0.157	0.001	0.002	---	---	MAX
MIN	---	---	0	0	0.133	0.006	0.003	0.001	0	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.251
MAXIMUM DAILY, 3.84 ON APR 22
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
4.08 AT 00:30 CST ON APR 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 50 15 N
LONG 104 58 52 W
DRAINAGE AREA, 587 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	287
FEB	---	AUG	44.3
MAR	0	SEP	2.16
APR	3 200	OCT	4.93
MAY	1 650	NOV	---
JUN	147	DEC	---

TOTAL DISCHARGE, 5 330 dam³

LARSEN RESERVOIR NEAR RADVILLE - STATION NO 05NA006

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	630.602E	630.612E	630.614A	630.670E	631.006	631.073E	630.872	630.673	630.603	630.585	630.483A	630.614E	1
2	---	---	630.614E	630.680E	631.005	631.087E	630.871	630.666	630.601	630.585	---	---	2
3	---	---	630.614E	630.690E	631.001	631.082E	630.866	630.657	630.642	630.584	---	---	3
4	---	---	630.615E	630.712A	631.000	631.087E	630.858	630.644	630.635	630.584	---	---	4
5	---	---	630.615E	630.730E	631.007A	631.083E	630.852	630.638	630.628	630.583	---	---	5
6	---	---	630.615E	630.800E	631.082E	631.048A	630.848	630.635	630.620	630.582	---	---	6
7	---	---	630.615E	631.000E	631.078E	631.040	630.841	630.631	630.612	630.580	---	---	7
8	---	---	630.617E	631.000E	631.080E	631.040	630.830	630.621	630.605	630.578	---	---	8
9	---	---	630.617E	631.100E	631.088E	631.042	630.838	630.612	630.614	630.576	---	---	9
10	---	---	630.618E	631.280E	631.080E	631.038	630.880	630.601	630.615	630.574	---	---	10
11	---	---	630.618E	631.420E	631.080E	631.038	630.890	630.781	630.614	630.572	---	---	11
12	---	---	630.618E	631.300A	631.100E	631.085	630.883	630.784	630.622	630.570	---	---	12
13	---	---	630.619E	631.255	631.108E	631.080	630.878	630.778	630.618	630.568	---	---	13
14	---	---	630.620E	631.230	631.110E	631.054	630.868	630.767	630.618	630.568	---	---	14
15	---	---	630.620E	631.217	631.114E	631.049	630.864	630.761	630.628	630.567	---	---	15
16	---	---	630.621E	631.213	631.117E	631.042	630.857	630.747	630.632	630.563	---	---	16
17	---	---	630.622E	631.208	631.120E	631.032	630.852	630.738	630.630	630.560	---	---	17
18	---	---	630.623E	631.200	631.120E	631.026	630.849	630.730	630.618	630.557	---	---	18
19	---	---	630.624E	631.190	631.118E	631.021	630.842	630.721	630.612	630.555	---	---	19
20	---	---	630.626E	631.181	631.116E	631.013	630.837	630.716	630.604	630.553	---	---	20
21	---	---	630.628E	631.186	631.113E	631.006	630.834	630.714	630.595	630.551A	---	---	21
22	---	---	630.627E	631.140	631.110E	631.003	630.831	630.717	630.588	630.543E	---	---	22
23	---	---	630.628E	631.135	631.107E	630.996	630.833	630.716	630.585	630.538E	---	---	23
24	---	---	630.629E	631.126	631.104E	630.992	630.813	630.708	630.582	630.528E	---	---	24
25	---	---	630.630E	631.118	631.100E	630.986	630.808	630.705	630.580	630.521E	---	---	25
26	---	---	630.632E	631.112	631.098E	630.980	630.810	630.701	630.578	630.518E	---	---	26
27	---	---	630.635E	631.106	631.096E	630.972	630.801	630.695	630.576	630.516E	---	---	27
28	---	630.614E	630.640E	631.101	631.093E	630.966	630.803	630.691	630.575	630.503E	---	---	28
29	---	---	630.645E	631.088	631.083E	630.960	630.805	630.691	630.574	630.498E	---	---	29
30	---		630.650A	631.088	631.080E	630.957	630.800	630.683	630.580	630.493E	630.514A	---	30
31	630.613A		630.660E		631.077A		630.878	630.672		630.488E		630.180E	31
MEAN	---	---	630.635	631.122	631.097	631.026	630.830	630.701	630.600	630.553	---	---	MEAN
MAX	---	---	630.660	631.420	631.130	631.072	630.900	630.673	630.663	630.585	---	---	MAX
MIN	---	---	630.614	630.670	631.077	630.980	630.878	630.672	630.574	630.488	---	---	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MAXIMUM DAILY, 631.420E ON APR 11
MINIMUM DAILY, 630.180E ON DEC 31
MAXIMUM INSTANTANEOUS,
631.456E AT 08:00 CST ON APR 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 38 30 N
LONG 104 16 00 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAST MOUNTAIN LAKE AT ROWAN'S RAVINE - STATION NO. 05JH004

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	490.185	490.106	490.076	490.072	490.380	490.434	490.433	490.631	490.476	490.330	490.237	490.188	1
2	490.181	490.103	490.076	490.072	490.388	490.443	490.437	490.636	490.463	490.318	490.231	490.188	2
3	490.180	490.103	490.073	490.076	490.372	490.445	490.448	490.638	490.454	490.317	490.300	490.188	3
4	490.159	490.103	490.074	490.085	490.372	490.433	490.444	490.642	490.464	490.315	490.215	490.188	4
5	490.159	490.086	490.076	490.090	490.377	490.433	490.436	490.635	490.439	490.319	490.219	490.186	5
6	490.156	490.086	490.073	490.097	490.375	490.430	490.440	490.628	490.431	490.309	490.211	490.182	6
7	490.154	490.088	490.073	490.106	490.380	490.433	490.441	490.632	490.412	490.307	490.221	490.186	7
8	490.152	490.084	490.072	490.113	490.367	490.428	490.437	490.612	490.417	490.297	490.217	490.154	8
9	490.148	490.085	490.086	490.126	490.394	490.426	490.483	490.609	490.419	490.288	490.210	490.153	9
10	490.146	490.086	490.086	490.133	490.441	490.428	490.530	490.607	490.431	490.310	490.224	490.154	10
11	490.139	490.082	490.088	490.139	490.404	490.436	490.521	490.590	490.418	490.298	490.192	490.153	11
12	490.144	490.082	490.088	490.149	490.421	490.454	490.529	490.593	490.417	490.288	490.198	490.151	12
13	490.139	490.084	490.087	490.158	490.410	490.445	490.544	490.589	490.418	490.282	490.209	490.148	13
14	490.136	490.081	490.086	490.173	490.401	490.451	490.549	490.574	490.408	490.282	490.208	490.150	14
15	490.131	490.089	490.086	490.189	490.400	490.436	490.564	490.578	490.410	490.277	490.189	490.148	15
16	490.132	490.089	490.085	490.197	490.397	490.424	490.548	490.571	490.387	490.276	490.161	490.142	16
17	490.124	490.086	490.085	490.213	490.403	490.416	490.550	490.589	490.398	490.288	490.195	490.136	17
18	490.126	490.088	490.085	490.226	490.407	490.400	490.568	490.589	490.398	490.253	490.187	490.137	18
19	490.127	490.083	490.084	490.242	490.405	490.408	490.559	490.548	490.383	490.235	490.199	490.138	19
20	490.128	490.079	490.086	490.255	490.407	490.397	490.572	490.535	490.372	490.238	490.201	490.132	20
21	490.125	490.079	490.087	490.265	490.412	490.403	490.568	490.537	490.383	490.253	490.200	490.131	21
22	490.128	490.079	490.085	490.275	490.413	490.405	490.604	490.522	490.351	490.248	490.190	490.128	22
23	490.126	490.077	490.084	490.288	490.420	490.403	490.605	490.518	490.348	490.255	490.184	490.128	23
24	490.120	490.072	490.088	490.301	490.425	490.405	490.605	490.515	490.352	490.245	490.187	490.124	24
25	490.118	490.071	490.089	490.318	490.415	490.433	490.606	490.514	490.348	490.243	490.185	490.125	25
26	490.112	490.072	490.087	490.345	490.429	490.437	490.622	490.509	490.341	490.238	490.178	490.128	26
27	490.118	490.075	490.084	490.337	490.437	490.430	490.624	490.503	490.348	490.247	490.188	490.124	27
28	490.118	490.074	490.084	490.342	490.438	490.427	490.625	490.497	490.342	490.234	490.174	490.121	28
29	490.114		490.085	490.348	490.432	490.428	490.627	490.493	490.323	490.227	490.182	490.118	29
30	490.111		490.087	490.356	490.435	490.426	490.633	490.486	490.323	490.228	490.173	490.117	30
31	490.108		490.072		490.432		490.632	490.480		490.229		490.118	31
MEAN	490.135	490.088	490.088	490.303	490.404	490.427	490.541	490.567	490.394	490.272	490.188	490.142	MEAN
MAX	490.185	490.108	490.076	490.356	490.441	490.454	490.633	490.642	490.476	490.330	490.237	490.188	MAX
MIN	490.108	490.071	490.084	490.072	490.380	490.397	490.433	490.480	490.323	490.227	490.185	490.117	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MEAN, 490.288
MAXIMUM DAILY, 490.642 ON AUG 4
MINIMUM DAILY, 490.084 ON MAR 19
MAXIMUM INSTANTANEOUS,
490.703 AT 15:15 CST ON JUL 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 59 52 N
LONG 105 11 06 W

REGULATED

DRAINAGE AREA,
15 500 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - THE MAXIMUM INSTANTANEOUS WATER LEVEL OCCURRED AS A RESULT OF WIND EFFECT

LAWRIE CREEK NEAR INSINGER - STATION NO 05MB012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.284	0.008	0	0.018	0.002	0	---	---	1
2	---	---	0B	0 B	0.120	0.050	0.014	0.026	0.001	0	---	---	2
3	---	---	0B	0 B	0.017	0.008	0.009	0.008	0.003	0	---	---	3
4	---	---	0B	0 B	0	0.051	2.84	0.007	0.001	0	---	---	4
5	---	---	0B	0 B	0	0.039	1.08	0	0.002	0	---	---	5
6	---	---	0B	0 B	0	0.012	0.404	0	0.003	0	---	---	6
7	---	---	0B	0 B	0	0.007	0.188	0	0.002	0	---	---	7
8	---	---	0B	0 B	0	0.004	0.080	0	0.001	0	---	---	8
9	---	---	0B	0 B	0	0.008	0.308	0	0.004	0	---	---	9
10	---	---	0B	0 B	0.028	0.003	0.881	0	0.005	0	---	---	10
11	---	---	0B	0 B	0.037	0.004	1.88	0	0.004	0	---	---	11
12	---	---	0B	0 B	0.044	0.051	2.30	0	0.001	0	---	---	12
13	---	---	0B	0 B	0.113	0.851	1.08	0		0	---	---	13
14	---	---	0B	0 B	0.226	0.573	0.543	0		0	---	---	14
15	---	---	0B	0 B	0.280	0.297	0.516	0		0	---	---	15
16	---	---	0B	0 B	0.434	0.076	0.870	0.007	0	0	---	---	16
17	---	---	0B	0 B	0.850	0.012	0.388	0.010	0	0	---	---	17
18	---	---	0B	0 B	0.845	0	0.226	0.008	0	0	---	---	18
19	---	---	0B	0 B	0.481	0	0.246	0.007	0	0	---	---	19
20	---	---	0B	0.3788	0.874	0.003	0.847	0.006	0	0	---	---	20
21	---	---	0B	3.40 B	0.881	0	0.588	0.008	0	0	---	---	21
22	---	---	0B	3.84	0.846	0	0.417	0.008	0	0	---	---	22
23	---	---	0B	2.91	0.808	0	0.312	0.010	0	0	---	---	23
24	---	---	0B	2.14	0.519	0	0.302	0.012	0	0	---	---	24
25	---	---	0B	1.48	0.318	0	0.186	0.006	0	0	---	---	25
26	---	---	0B	1.02	0.288	0	0.079	0.008	0	0	---	---	26
27	---	---	0B	0.587	0.088	0	0.038	0.011	0	0	---	---	27
28	---	---	0B	1.03	0.040	0	0.024	0.007	0	0	---	---	28
29	---		0B	0.770	0.015	0	0.040	0.008	0	0	---	---	29
30	---		0B	0.510	0.007	0	0.053	0.004	0	0	---	---	30
31	---		0B		0.058		0.032	0.002		0		---	31
TOTAL	---	---	0	18.185	7.783	2.265	15.113	0.185	0.029	0	---	---	TOTAL
MEAN	---	---	0	0.606	0.250	0.076	0.488	0.006	0.001	0	---	---	MEAN
MAX	---	---	0	3.84	0.844	0.851	2.30	0.026	0.005	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.178
MAXIMUM DAILY, 3.84 ON APR 22
MINIMUM DAILY, 00 ON MAR 1
MAXIMUM INSTANTANEOUS,
4.02 AT 11:48 CST ON JUL 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 29 17 N
LONG 103 01 10 W
DRAINAGE AREA, 180 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 310
FEB	---	AUG	16.0
MAR	0	SEP	2.51
APR	1 570	OCT	0
MAY	671	NOV	---
JUN	196	DEC	---

TOTAL DISCHARGE, 3 770 dam³

LEATHER RIVER NEAR STAR CITY - STATION NO. 05KB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	00	0 B	0.840	0	0	0	0	0	---	---	1
2	---	---	00	0 B	0.495	0	0	0	0	0	---	---	2
3	---	---	00	0 B	0.307	0	0	0	0	0	---	---	3
4	---	---	00	0 B	0.204	0	0	0	0	0	---	---	4
5	---	---	00	0 B	0.200	0	0	0	0	0	---	---	5
6	---	---	00	0 B	0.247	0	0	0	0	0	---	---	6
7	---	---	00	0 B	0.232	0	0	0	0	0	---	---	7
8	---	---	00	0 B	0.172	0	0	0	0	0	---	---	8
9	---	---	00	0 B	0.190	0	0	0	0	0	---	---	9
10	---	---	00	0 B	0.235	0	0	0	0	0	---	---	10
11	---	---	00	0 B	0.187	0	0	0	0	0	---	---	11
12	---	---	00	0 B	0.163	0	0	0	0	0	---	---	12
13	---	---	00	0 B	0.146	0	0	0	0	0	---	---	13
14	---	---	00	0 B	0.142	0	0	0	0	0	---	---	14
15	---	---	00	0 B	0.151	0	0	0	0	0	---	---	15
16	---	---	00	0 B	0.123	0	0	0	0	0	---	---	16
17	---	---	00	0 B	0.102	0	0	0	0	0	---	---	17
18	---	---	00	0 B	0.093	0	0	0	0	0	---	---	18
19	---	---	00	0.0078	0.086	0	0	0	0	0	---	---	19
20	---	---	00	1.35 B	0.065	0	0	0	0	0	---	---	20
21	---	---	00	4.28 B	0.074	0	0	0	0	0	---	---	21
22	---	---	00	4.26	0.062	0	0	0	0	0	---	---	22
23	---	---	00	2.86	0.136	0	0	0	0	0	---	---	23
24	---	---	00	2.39	0.032	0	0	0	0	0	---	---	24
25	---	---	00	1.80	0.047	0	0	0	0	0	---	---	25
26	---	---	00	1.64	0.000	0	0	0	0	0	---	---	26
27	---	---	00	1.36	0	0	0	0	0	0	---	---	27
28	---	---	00	1.18	0	0	0	0	0	0	---	---	28
29	---		00	0.977	0	0	0	0	0	0	---	---	29
30	---		00	0 780	0	0	0	0	0	0	---	---	30
31	---		00		0		0	0		0		---	31
TOTAL	---	---	0	23 144	4.884	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.771	0 157	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	4.28	0 840	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.114
MAXIMUM DAILY, 4.280 ON APR 21
MINIMUM DAILY, 00 ON MAR 1
MAXIMUM INSTANTANEOUS,
6.25 AT 16:37 CST ON APR 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 50 32 N
LONG 104 14 34 W
DRAINAGE AREA, 195 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	2 000	OCT	0
MAY	420	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 2 420 dam³

LENDRE LAKE NEAR MIDDLE LAKE - STATION NO 05KA011

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	526.114	526.083	---	---	---	---	---	1
2	---	---	---	---	---	---	---	526.083	---	---	524.883	---	2
3	---	---	---	---	---	---	---	---	524.985	524.987	---	---	3
4	---	---	---	---	---	526.113	526.084	---	---	---	---	---	4
5	---	---	---	---	---	---	526.083	---	524.986	---	---	---	5
6	---	---	---	---	---	526.105	---	526.073	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	524.982	---	---	7
8	---	---	---	---	---	526.105	526.083	---	524.945	---	---	---	8
9	---	---	---	---	---	---	---	526.063	---	---	---	---	9
10	---	---	---	---	---	526.103	---	---	---	---	---	---	10
11	---	---	---	---	---	---	526.084	---	524.937	524.898	---	---	11
12	---	---	---	---	---	---	---	526.033	---	---	---	---	12
13	---	---	---	---	---	526.135	526.133	---	524.912	---	---	---	13
14	---	---	---	---	---	---	526.133	---	---	524.894	---	---	14
15	---	---	---	---	---	---	---	526.016	524.905	---	---	---	15
16	---	---	---	---	---	---	---	---	524.903	---	---	---	16
17	---	---	---	---	---	526.104	---	---	---	524.888	---	---	17
18	---	---	---	---	---	---	526.115	---	---	---	---	---	18
19	---	---	---	---	---	---	526.113	526.003	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	524.996	524.911	524.881	---	---	21
22	---	---	---	---	---	526.096	---	---	---	---	---	---	22
23	---	---	---	---	---	---	526.105	---	---	---	---	---	23
24	---	---	---	---	---	---	---	524.988	---	---	---	---	24
25	---	---	---	---	526.124	---	---	---	---	524.878	---	---	25
26	---	---	---	---	526.122	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	526.118	526.081	526.096	524.983	---	524.870	---	---	28
29	---	---	---	---	---	526.096	---	---	524.930	---	---	---	29
30	---	---	---	---	---	---	---	---	524.917	---	---	---	30
31	---		---	---	526.116		526.087	524.974		524.865		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MAXIMUM DAILY, 526 135 ON JUN 13

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 39 33 N
LONG 105 00 02 W
DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LEWIS CREEK NEAR IMPERIAL - STATION NO. 05JN005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.000	0.000	0.006	0	0	0	0	0	---	---	1
2	---	---	0.000	0.000	0.003	0	0	0	0	0	---	---	2
3	---	---	0.000	0.000	0.001	0	0	0	0	0	---	---	3
4	---	---	0.000	0.1888	0	0	0	0	0	0	---	---	4
5	---	---	0.000	0.8888	0	0	0	0	0	0	---	---	5
6	---	---	0.000	0.8888	0	0	0	0	0	0	---	---	6
7	---	---	0.000	0.7888	0	0	0	0	0	0	---	---	7
8	---	---	0.000	0.6308	0	0	0	0	0	0	---	---	8
9	---	---	0.000	0.7218	0	0	0	0	0	0	---	---	9
10	---	---	0.000	0.4708	0	0	0	0	0	0	---	---	10
11	---	---	0.000	0.3008	0	0	0	0	0	0	---	---	11
12	---	---	0.000	0.1208	0.014	0	0	0	0	0	---	---	12
13	---	---	0.000	0.0808	0.008	0	0	0	0	0	---	---	13
14	---	---	0.000	0.0618	0.034	0	0	0	0	0	---	---	14
15	---	---	0.000	0.0628	0.018	0	0	0	0	0	---	---	15
16	---	---	0.000	0.047	0.011	0	0	0	0	0	---	---	16
17	---	---	0.000	0.043	0.008	0	0.005	0	0	0	---	---	17
18	---	---	0.000	0.040	0.002	0	0.004	0	0	0	---	---	18
19	---	---	0.000	0.033	0	0	0	0	0	0	---	---	19
20	---	---	0.000	0.028	0	0	0	0	0	0	---	---	20
21	---	---	0.000	0.027	0	0	0.001	0	0	0	---	---	21
22	---	---	0.000	0.027	0	0	0	0	0	0	---	---	22
23	---	---	0.000	0.026	0	0	0	0	0	0	---	---	23
24	---	---	0.000	0.019	0	0	0	0	0	0	---	---	24
25	---	---	0.000	0.014	0	0	0	0	0	0	---	---	25
26	---	---	0.000	0.010	0	0	0	0	0	0	---	---	26
27	---	---	0.000	0.007	0	0	0	0	0	0	---	---	27
28	---	---	0.000	0.003	0	0	0	0	0	0	---	---	28
29	---		0.000	0	0	0	0	0	0	0	---	---	29
30	---		0.000	0.002	0	0	0	0	0	0	---	---	30
31	---		0.000		0		0	0		0		---	31
TOTAL	---	---	0	5.424	0.142	0	0.010	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.181	0.005	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0.888	0.046	0	0.005	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.023
MAXIMUM DAILY, 0.8888 ON APR 5
MINIMUM DAILY, 0.000 ON MAR 1
MAXIMUM INSTANTANEOUS,
1.340 AT 13:22 CST ON APR 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 16 02 N
LONG 105 22 52 W
DRAINAGE AREA, 573 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.60
FEB	---	AUG	0
MAR	0	SEP	0
APR	488	OCT	0
MAY	12.3	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 482 dam³

LIGHTNING CREEK NEAR CARNDUFF - STATION NO. 05NF006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.1208	0.541	0.018	0.011	0.003	0	0	0.001	---	1
2	---	---	0 B	0.2838	0.483	0.017	0.053	0.002	0	0	0.001	---	2
3	---	---	0 B	0.1208	0.277	0.014	0.041	0.001	0	0.001	0.002	---	3
4	---	---	0 B	0.2078	0.221	0.012	0.049	0.001	0	0.001	0.003	---	4
5	---	---	0 B	0.1378	0.186	0.011	0.032	0.001	0	0.001	0.002	---	5
6	---	---	0 B	0.1458	0.123	0.010	0.021	0	0	0.001	0.002	---	6
7	---	---	0 B	0.2618	0.088	0.008	0.013	0	0	0.001	0.001	---	7
8	---	---	0 B	0.6248	0.076	0.008	0.010	0	0	0.001	0.001A	---	8
9	---	---	0 B	2.18 B	0.062	0.007	0.009	0	0	0.001	---	---	9
10	---	---	0 B	3.88	0.051	0.008	0.007	0	0	0.001	---	---	10
11	---	---	0 B	4.33	0.043	0.007	0.048	0	0	0.001	---	---	11
12	---	---	0 B	3.87	0.053	0.006	0.042	0	0	0.001	---	---	12
13	---	---	0 B	3.86	0.053	0.006	0.028	0	0	0.001	---	---	13
14	---	---	0 B	3.47	0.114	0.006A	0.015	0	0	0.001	---	---	14
15	---	---	0 B	3.33	0.129	0.007	0.012	0	0	0.001	---	---	15
16	---	---	0 B	1.71	0.136	0.006	0.010	0	0	0.001	---	---	16
17	---	---	0 B	1.41	0.121	0.005	0.007	0	0	0.001	---	---	17
18	---	---	0 B	1.10	0.105	0.005	0.006	0	0	0.001	---	---	18
19	---	---	0 B	0.983	0.087	0.005	0.006	0	0	0.001	---	---	19
20	---	---	0 B	1.85	0.088	0.006	0.005	0	0	0.001	---	---	20
21	---	---	0 B	4.31	0.083	0.005	0.004	0	0	0.001	---	---	21
22	---	---	0 B	4.88	0.078	0.007	0.002	0	0	0.001	---	---	22
23	---	---	0 B	5.48	0.088	0.008	0.001	0	0	0.001	---	---	23
24	---	---	0 B	5.38	0.084	0.008	0.001	0	0	0.001	---	---	24
25	---	---	0 B	4.61	0.080	0.004	0.001	0	0	0.001	---	---	25
26	---	---	0 B	3.83	0.042	0.003	0.001	0	0	0.001	---	---	26
27	---	---	0 B	2.43	0.037	0.002	0	0	0	0.001	---	---	27
28	---	---	0 B	1.55	0.031	0.001	0	0	0	0.001	---	---	28
29	---		0 B	1.07	0.027	0.002	0	0	0	0.001	---	---	29
30	---		0 B	0.788	0.025	0.000	0.002	0	0	0.001	---	---	30
31	---		0.0038		0.023		0.005	0		0.001		---	31
TOTAL	---	---	0.003	84.176	3.803	0.219	0.500	0.008	0	0.039	---	---	TOTAL
MEAN	---	---	0	2.14	0.113	0.007	0.016	0	0	0.001	---	---	MEAN
MAX	---	---	0.003	5.48	0.541	0.018	0.087	0.003	0	0.001	---	---	MAX
MIN	---	---	0	0.120	0.023	0.001	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.270
MAXIMUM DAILY, 5.48 ON APR 23
MINIMUM DAILY, 0.000 ON MAR 1
MAXIMUM INSTANTANEOUS,
6.87 AT 03:26 CST ON APR 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 13 17 N
LONG 101 43 08 W
DRAINAGE AREA, 740 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	43.2
FEB	---	AUG	0.69
MAR	0.17	SEP	0
APR	5 540	OCT	2.51
MAY	393	NOV	---
JUN	16.8	DEC	---

TOTAL DISCHARGE, 5 810 dam³

LILIAN RIVER NEAR LADY LAKE - STATION NO. 08NC003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0218	0.0178	1.11	0.448	0.103	0.221	0.007	0.018	0.056	---	1
2	---	---	0.0228	0.0208	0.889	0.671	0.108	0.178	0.003	0.018	0.062A	---	2
3	---	---	0.0228	0.0188	0.644	0.786	0.138	0.167	0.020	0.027	---	---	3
4	---	---	0.0218	0.0078	0.788	0.848	0.263	0.161	0.006	0.028	---	---	4
5	---	---	0.0228	0.0088	0.739	0.781	0.630	0.155	0.003	0.013	---	---	5
6	---	---	0.0198	0.0088	0.826	0.672	0.376	0.138	0.010	0.018	---	---	6
7	---	---	0.0118	0.0188	0.558	0.573	0.200	0.122	0.001	0.026	---	---	7
8	---	---	0.0068	0.0218	0.420	0.587	0.270	0.091	0.005	0.032	---	---	8
9	---	---	0.0088	0.0288	0.387	0.447	0.325	0.084	0.013	0.034	---	---	9
10	---	---	0.0098	0.0238	0.521	0.422	0.458	0.088	0.010	0.038	---	---	10
11	---	---	0.0088	0.0238	0.587	0.349	1.13	0.084	0.006	0.038	---	---	11
12	---	---	0.0098	0.0228	0.586	0.372	1.07	0.087	0.010	0.028	---	---	12
13	---	---	0.0138	0.0238	0.677	0.489	0.779	0.088	0.007	0.027	---	---	13
14	---	---	0.0148	0.0238	0.743	0.844	0.603	0.084	0.001	0.033	---	---	14
15	---	---	0.0158	0.0288	0.765	0.737	0.693	0.090	0.008	0.033	---	---	15
16	---	---	0.0138	0.0288	0.737	0.583	0.762	0.038	0.001	0.027	---	---	16
17	---	---	0.0138	0.0248	0.758	0.586	0.806	0.036	0.008	0.026	---	---	17
18	---	---	0.0168	0.0248	0.804	0.607	0.846	0.038	0.010	0.034	---	---	18
19	---	---	0.0168	0.0408	0.878	0.623	0.820	0.032	0.002	0.036	---	---	19
20	---	---	0.0138	0.0778	0.872	0.339	0.748	0.030	0.008	0.043	---	---	20
21	---	---	0.0138	0.1998	0.868	0.281	0.737	0.022	0.023	0.058	---	---	21
22	---	---	0.0118	1.27 E	0.858	0.282	0.688	0.011	0.001	0.054	---	---	22
23	---	0.0228	0.0128	5.05 E	0.787	0.217	0.647	0.006	0.005	0.050	---	---	23
24	---	0.0228	0.0178	12.8 E	0.742	0.188	0.600	0.010	0.010	0.048	---	---	24
25	---	0.0228	0.0208	10.4 E	0.850	0.182	0.280	0.011	0.031	0.048	---	---	25
26	---	0.0228	0.0198	6.80 E	0.890	0.157	0.446	0.018	0.005	0.048	---	---	26
27	---	0.0228	0.0188	4.20	0.884	0.141	0.411	0.005	0.011	0.051	---	---	27
28	---	0.0218	0.0148	2.58	0.393	0.131	0.304	0.002	0.008	0.049	---	---	28
29	---		0.0128	1.78	0.378	0.114	0.303	0.003	0.008	0.048	---	---	29
30	---		0.0118	1.34	0.820	0.110	0.428	0.003	0.017	0.050	---	---	30
31	---		0.0178		0.580		0.340	0.008		0.052		---	31
TOTAL	---	---	0.456	47.788	21.344	12.887	15.986	2.005	0.253	1.133	---	---	TOTAL
MEAN	---	---	0.015	1.59	0.689	0.429	0.516	0.065	0.008	0.037	---	---	MEAN
MAX	---	---	0.023	12.8	1.11	0.848	1.13	0.221	0.031	0.058	---	---	MAX
MIN	---	---	0.008	0.008	0.378	0.110	0.103	0.002	0.001	0.013	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.418
MAXIMUM DAILY, 12.80 ON APR 24
MINIMUM DAILY, 0.001 ON SEP 7
MAXIMUM INSTANTANEOUS,
13.10 AT 10:59 CST ON APR 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 01 22 N
LONG 102 37 30 W
DRAINAGE AREA, 220 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 380
FEB	---	AUG	173
MAR	39.8	SEP	21.9
APR	4 130	OCT	97.9
MAY	1 849	NOV	---
JUN	1 110	DEC	---

TOTAL DISCHARGE, 8 790 dam³

LITTLE BEAR LAKE ON THE HANSON LAKE ROAD - STATION NO. 05KF002

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	630.333	630.280	630.101	---	---	---	1
2	---	---	---	---	---	---	630.352	---	630.098	---	---	---	2
3	---	---	---	---	---	---	630.305	630.247	---	---	---	---	3
4	---	---	---	---	---	---	---	630.238	---	---	---	---	4
5	---	---	---	---	---	---	---	---	630.102	---	---	---	5
6	---	---	---	---	---	---	---	---	630.111	---	---	---	6
7	---	---	---	---	---	---	630.379	---	---	---	---	---	7
8	---	---	---	---	---	630.336	---	630.212	630.113	---	---	---	8
9	---	---	---	---	---	---	630.369	---	---	---	---	---	9
10	---	---	---	---	---	630.337	---	---	---	---	---	---	10
11	---	---	---	---	---	630.335	---	---	---	---	---	---	11
12	---	---	---	---	---	---	630.369	630.178	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	630.168	---	---	---	---	14
15	---	---	---	---	---	630.335	---	---	---	---	---	---	15
16	---	---	---	---	---	---	630.358	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	630.303	---	630.136	---	---	---	---	20
21	---	---	---	---	---	---	---	630.131	---	---	---	---	21
22	---	---	---	---	---	---	---	630.126	---	---	---	---	22
23	---	---	---	---	---	630.360	630.318	---	---	630.186	---	---	23
24	---	---	---	---	---	630.277	630.312	630.121	---	---	---	---	24
25	---	---	---	---	---	---	---	630.111	---	630.151	---	---	25
26	---	---	---	---	---	630.358	---	630.109	---	---	---	---	26
27	---	---	---	---	---	630.356	---	---	---	---	---	---	27
28	---	---	---	---	---	---	630.272	630.109	---	---	---	---	28
29	---		---	---	---	630.353	---	630.104	630.118	---	---	---	29
30	---		---	---	---	630.305	---	---	---	---	---	---	30
31	---		---		---		630.280	630.102		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MAXIMUM DAILY, 630.379 ON JUL 7

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 17 39 N
LONG 104 40 33 W
DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LITTLE BRIDGE CREEK NEAR ARMLEY - STATION NO. 05KB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.981	0.007	0	0	0	0	---	---	1
2	---	---	0B	0 B	1.03	0.006	0	0	0	0	---	---	2
3	---	---	0B	0 B	0.921	0.006	0	0	0	0	---	---	3
4	---	---	0B	0 B	0.723	0.006	0	0	0	0	---	---	4
5	---	---	0B	0 B	0.586	0.005	0	0	0	0	---	---	5
6	---	---	0B	0 B	0.586	0.005	0	0	0	0	---	---	6
7	---	---	0B	0 B	0.549	0.005	0	0	0	0	---	---	7
8	---	---	0B	0 B	0.510	0.004	0	0	0	0	---	---	8
9	---	---	0B	0 B	0.484	0.004	0	0	0	0	---	---	9
10	---	---	0B	0 B	0.470	0.003	0	0	0	0	---	---	10
11	---	---	0B	0 B	0.447	0.003	0	0	0	0	---	---	11
12	---	---	0B	0 B	0.349	0.003	0	0	0	0	---	---	12
13	---	---	0B	0 B	0.381	0.002	0	0	0	0	---	---	13
14	---	---	0B	0 B	0.349	0.002	0	0	0	0	---	---	14
15	---	---	0B	0 B	0.322	0.002	0	0	0	0	---	---	15
16	---	---	0B	0 B	0.252	0.001	0	0	0	0	---	---	16
17	---	---	0B	0 B	0.180	0.001	0	0	0	0	---	---	17
18	---	---	0B	0.0018	0.135	0.001	0	0	0	0	---	---	18
19	---	---	0B	0.0028	0.117	0	0	0	0	0	---	---	19
20	---	---	0B	1.89 B	0.116	0	0	0	0	0	---	---	20
21	---	---	0B	7.88 B	0.116	0	0	0	0	0	---	---	21
22	---	---	0B	6.48	0.115	0	0	0	0	0	---	---	22
23	---	---	0B	3.83	0.117	0	0	0	0	0	---	---	23
24	---	---	0B	2.07	0.081	0	0	0	0	0	---	---	24
25	---	---	0B	1.32	0.059	0	0	0	0	0	---	---	25
26	---	---	0B	1.06	0.053	0	0	0	0	0	---	---	26
27	---	---	0B	1.10	0.038	0	0	0	0	0	---	---	27
28	---	---	0B	1.05	0.017	0	0	0	0	0	---	---	28
29	---		0B	0.977	0.015	0	0	0	0	0	---	---	29
30	---		0B	0.895	0.008	0	0	0	0	0	---	---	30
31	---		0B		0.007		0	0		0		---	31
TOTAL	---	---	0	28.485	10.075	0.066	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.950	0.325	0.002	0	0	0	0	---	---	MEAN
MAX	---	---	0	7.89	1.03	0.007	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0.007	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.158
MAXIMUM DAILY, 7.888 ON APR 21
MINIMUM DAILY, 08 ON MAR 1
MAXIMUM INSTANTANEOUS,
11.5 AT 21:15 CST ON APR 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 09 26 N
LONG 104 10 17 W
DRAINAGE AREA, 87.0 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	2 460	OCT	0
MAY	870	NOV	---
JUN	5.70	DEC	---

TOTAL DISCHARGE, 3 340 dam³

LITTLE MANITOU LAKE AT MANITOU BEACH - STATION NO 05JJ001

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	493.780	493.780	493.836	---	494.010	---	---	---	---	493.794	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	493.839	---	---	4
5	---	---	---	---	---	---	493.887	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	493.986	---	---	---	---	---	---	8
9	---	---	---	---	---	493.986	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	494.018	---	---	---	---	11
12	---	---	---	---	---	---	---	---	493.880	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	493.956	494.022	---	---	---	---	---	---	---	15
16	---	---	493.787	---	---	---	---	---	---	---	493.794	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	494.023	---	---	---	---	---	18
19	---	---	---	---	494.028	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	493.814	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	493.785	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	---	---	494.043	493.923	---	---	---	---	29
30	---		493.835	494.039	---	493.961	---	---	---	---	493.814	---	30
31	493.790		---		494.010		---	493.913		493.794		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 42 46 N
LONG 105 23 36 W
DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LITTLE QUILL LAKE NEAR WYNYARD - STATION NO. 05MA002

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	517.822	517.972	---	---	---	---	1
2	---	---	---	---	---	---	---	517.964	517.836	---	517.913	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	517.983	---	517.859	517.868	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	517.873	---	517.872	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	517.964	517.868	517.877	517.898	---	10
11	---	---	---	---	---	517.879	517.883	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	517.928	517.882	---	---	---	13
14	---	---	---	---	---	---	---	517.935	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	517.893	---	---	---	517.837	---	---	16
17	---	---	---	---	---	517.881	517.885	---	---	---	---	---	17
18	---	---	---	---	---	---	---	517.901	---	---	---	---	18
19	---	---	---	---	---	---	---	---	517.886	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	517.895	---	517.868	---	---	21
22	---	---	---	---	---	---	517.903	---	---	---	517.878	---	22
23	---	---	---	---	---	517.878	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	517.903	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	517.902	517.852	---	---	517.853	---	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	---	---	---	---	---	---	---	---	29
30	---		---	---	---	---	517.882	---	517.886	517.838	---	---	30
31	---		---		517.886		517.974	517.840		517.834		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MAXIMUM DAILY, 517.982 ON JUL 30

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 52 54 N
LONG 104 08 14 W
DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LODGE CREEK BELOW MCRAE CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 11AB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0.357	0.003	0	0.002	0.001	0	0.083	---	---	1
2	---	---	0	0.183	0.004	1.20	0.008	0	0	0.053	---	---	2
3	---	---	0	0.115	0.014	1.52	0.007	0.510	0	0.032	---	---	3
4	---	---	0	0.080	0.011	1.42	0.006	0.510	0	0.022	---	---	4
5	---	---	0	0.060	0.008	1.12	0.004	0.005	0	0.015	---	---	5
6	---	---	0	0.047	0.005	1.14	0.002	0.004	0	0.012	---	---	6
7	---	---	0	0.037	0.004	1.05	0.001	0.002	0	0.007	---	---	7
8	---	---	0	0.035	0.004	0.515	0.001	0.001	0	0.005	---	---	8
9	---	---	0	0.028	0.004	0.235	0	0	0	0.005	---	---	9
10	---	---	0	0.024	0.007	0.584	0.003	0	0	0.004	---	---	10
11	---	---	0	0.024	0.008	0.596	0.011	0	0	0.003	---	---	11
12	---	---	0	0.478	0.005	0.296	0.015	0	0	0.002	---	---	12
13	---	---	0	0.488	0.003	0.165	0.008	0	0	0.002	---	---	13
14	---	---	0	0.481	0.003	0.089	0.004	0	0	0.002	---	---	14
15	---	---	0	0.484	0.002	0.051	0.002	0	0	0.001	---	---	15
16	---	---	0	0.481	0.001	0.038	0.001	0	0	0.001	---	---	16
17	---	---	0	0.410	0.001	0.030	1.05	0	0	0.001	---	---	17
18	---	---	0	0.233	0.001	0.027	1.38	0	0	0.001	---	---	18
19	---	---	0	0.125	0.059	0.023	1.42	0	0	0.001	---	---	19
20	---	---	0	0.070	0.118	0.013	0.775	0	0	0.001	---	---	20
21	---	---	0.085	0.045	0.080	0.009	0.348	0	0	0	---	---	21
22	---	---	0.410	0.032	0.053	0.007	0.187	0	0	0	---	---	22
23	---	---	0.423	0.023	0.035	0.005	0.095	0	0	0	---	---	23
24	---	---	0.420	0.017	0.021	0.004	0.053	0	0	0.001	---	---	24
25	---	---	0.410	0.014	0.012	0.003	0.038	0	0.555	0.001	---	---	25
26	---	---	0.440	0.011	0.008	0.002	0.022	0	1.10	0.001	---	---	26
27	---	---	0.430	0.008	0.004	0.001	0.012	0	1.11	0.001	---	---	27
28	---	---	0.430	0.007	0.002	0	0.007	0	0.520	0.001	---	---	28
29	---		0.423	0.006	0.001	0	0.005	0	0.232	0.001	---	---	29
30	---		0.413	0.005	0.001	0	0.003	0	0.129	0.001	---	---	30
31	---		0.416		0		0.001	0		0.001		---	31
TOTAL	---	---	4.301	4.329	0.480	10.137	5.479	0.034	3.836	0.282	---	---	TOTAL
MEAN	---	---	0.139	0.144	0.015	0.338	0.177	0.001	0.121	0.009	---	---	MEAN
MAX	---	---	0.440	0.479	0.118	1.52	1.42	0.010	1.11	0.083	---	---	MAX
MIN	---	---	0	0.005	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.117
MAXIMUM DAILY, 1.52 ON JUN 3
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
1.53 AT 19:00 CST ON JUN 3

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 00 20 N
LONG 109 43 00 W
DRAINAGE AREA, 2 140 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	473
FEB	---	AUG	2.94
MAR	372	SEP	314
APR	374	OCT	22.6
MAY	41.5	NOV	---
JUN	878	DEC	---

TOTAL DISCHARGE, 2 480 dam³

LODGE CREEK NEAR ALBERTA BOUNDARY - STATION NO. 11AB082

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.022	0.189	0.042	0.001	0.039	0	0	0	---	1
2	---	---	0 B	0.023	0.261	0.028	0.004	0.032	0	0	0	---	2
3	---	---	0 B	0.076	0.208	0.022	0.002	0.022	0	0	---	---	3
4	---	---	0 B	0.102	0.119	0.017	0.001	0.018	0	0	---	---	4
5	---	---	0 B	0.031	0.131	0.014	0.001	0.013	0	0	---	---	5
6	---	---	0 B	0.061	0.146	0.013	0	0.010	0	0	---	---	6
7	---	---	0 B	0.039	0.133	0.011	0	0.007	0	0	---	---	7
8	---	---	0 B	0.078	0.152	0.008	0.001	0.005	0	0	---	---	8
9	---	---	0 B	0.063	0.165	0.008	0.004	0.005	0	0	---	---	9
10	---	---	0 B	0.046	0.306	0.007	0.088	0.004	0	0	---	---	10
11	---	---	0.0058 B	0.060	0.318	0.008	0.378	0.003	0	0	---	---	11
12	---	---	1.00 B	0.046	0.270	0.007	0.474	0.005	0	0	---	---	12
13	---	---	3.00 B	0.068	0.335	0.003	0.880	0.003	0	0	---	---	13
14	---	---	2.39 B	0.061	0.841	0.001	0.411	0.001	0	0	---	---	14
15	---	---	1.03 B	0.047	2.20	0	0.288	0	0	0	---	---	15
16	---	---	0.0788	0.034	2.85	0	0.208	0	0	0	---	---	16
17	---	---	0.1048	0.029	2.58	0	0.158	0	0	0	---	---	17
18	---	---	0.1148	0.026	2.41	0	0.115	0	0	0	---	---	18
19	---	---	0.0788	0.025	2.76	0.001	0.074	0	0	0	---	---	19
20	---	---	0.0218	0.022	1.79	0	0.102	0	0	0	---	---	20
21	---	---	0.0328	0.146	1.21	0	0.153	0	0	0	---	---	21
22	---	---	0.0148	0.176	0.954	0	3.20	0	0	0	---	---	22
23	---	OB	0.0098	0.197	0.688	0	1.17	0	0	0	---	---	23
24	---	OB	0.0078	0.207	0.884	0	0.827	0	0	0	---	---	24
25	---	OB	0.0098	0.126	0.500	0	0.421	0	0	0	---	---	25
26	---	OB	0.0088	0.226	0.351	0	0.278	0	0	0	---	---	26
27	---	OB	0.0088	0.236	0.262	0	0.182	0	0	0	---	---	27
28	---	OB	0.0088	0.252	0.213	0	0.127	0	0	0	---	---	28
29	---		0.007	0.041	0.151	0	0.080	0	0	0	---	---	29
30	---		0.021	0.153	0.106	0	0.047	0	0	0	---	---	30
31	---		0.022		0.088		0.027	0		0		---	31
TOTAL	---	---	7.956	2.716	23.419	0.192	9.302	0.167	0	0	---	---	TOTAL
MEAN	---	---	0.257	0.091	0.755	0.006	0.300	0.005	0	0	---	---	MEAN
MAX	---	---	3.00	0.252	2.85	0.042	3.20	0.039	0	0	---	---	MAX
MIN	---	---	0	0.022	0.088	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.178
MAXIMUM DAILY, 3.20 ON JUL 22
MINIMUM DAILY, OB ON MAR 1
MAXIMUM INSTANTANEOUS,
5.70 AT 08:49 CST ON JUL 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 12 10 N
LONG 109 59 05 W
DRAINAGE AREA, 909 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	804
FEB	---	AUG	14.4
MAR	858	SEP	0
APR	235	OCT	0
MAY	2 020	NOV	---
JUN	15.6	DEC	---

TOTAL DISCHARGE, 3 780 dam³

LOISELLE CREEK NEAR HUDSON BAY - STATION NO. 05LB004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	OB	0 B	0.827	0.002	0	0	0	0	0	---	1
2	---	---	OB	0 B	0.935	0.002	0	0	0	0	---	---	2
3	---	---	OB	0 B	0.695	0.027	0.288	0	0	0	---	---	3
4	---	---	OB	0 B	0.730	0.023	0.537	0	0	0	---	---	4
5	---	---	OB	0 B	0.595	0.007	0.816	0	0	0	---	---	5
6	---	---	OB	0 B	0.413	0.007	0.650	0	0	0	---	---	6
7	---	---	OB	0 B	0.280	0.003	0.444	0	0	0	---	---	7
8	---	---	OB	0 B	0.195	0.267	0.288	0	0	0	---	---	8
9	---	---	OB	0 B	0.141	0.123	0.174	0	0	0	---	---	9
10	---	---	OB	0 B	0.128	0.035	0.143	0	0	0	---	---	10
11	---	---	OB	0 B	0.119	0.011	0.136	0	0	0	---	---	11
12	---	---	OB	0 B	0.116	0.044	0.098	0	0	0	---	---	12
13	---	---	OB	0 B	0.130	0.087	0.059	0	0	0	---	---	13
14	---	---	OB	0 B	0.142	0.092	0.033	0	0	0	---	---	14
15	---	---	OB	0 B	0.183	0.085	0.104	0	0	0	---	---	15
16	---	---	OB	0 B	0.240	0.058	0.155	0	0	0	---	---	16
17	---	---	OB	0 B	0.364	0.034	0.178	0	0	0	---	---	17
18	---	---	OB	0 B	0.516	0.018	0.183	0	0	0	---	---	18
19	---	---	OB	0.1128	0.596	0.013	0.155	0	0	0	---	---	19
20	---	---	OB	0.4078	0.489	0.009	0.102	0	0	0	---	---	20
21	---	---	OB	3.16	0.388	0.004	0.076	0	0	0	---	---	21
22	---	---	OB	7.82	0.290	0.001	0.048	0	0	0	---	---	22
23	---	---	OB	6.04	0.205	0	0.031	0	0	0	---	---	23
24	---	---	OB	4.04	0.158	0	0.020	0	0	0	---	---	24
25	---	---	OB	2.80	0.111	0	0.011	0	0	0	---	---	25
26	---	---	OB	1.78	0.092	0	0.009	0	0	0	---	---	26
27	---	---	OB	1.41	0.083	0	0.006	0	0	0	---	---	27
28	---	---	OB	1.18	0.021	0	0.003	0	0	0	---	---	28
29	---		OB	1.05	0.009	0	0.001	0	0	0	---	---	29
30	---		OB	0.965	0.003	0	0.001	0	0	0	---	---	30
31	---		OB		0.002		0.001	0		0		---	31
TOTAL	---	---	0	30.864	9.420	0.963	4.728	0	0	0	---	---	TOTAL
MEAN	---	---	0	1.02	0.304	0.032	0.153	0	0	0	---	---	MEAN
MAX	---	---	0	7.82	0.935	0.267	0.816	0	0	0	---	---	MAX
MIN	---	---	0	0	0.002	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.188
MAXIMUM DAILY, 7.82 ON APR 22
MINIMUM DAILY, OB ON MAR 1
MAXIMUM INSTANTANEOUS,
8.44 AT 11:30 CST ON APR 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 47 51 N
LONG 102 22 14 W
DRAINAGE AREA, 180 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	408
FEB	---	AUG	0
MAR	0	SEP	0
APR	2 840	OCT	0
MAY	814	NOV	---
JUN	83.2	DEC	---

TOTAL DISCHARGE, 3 950 dam³

LONG CREEK AT WESTERN CROSSING OF INTERNATIONAL BOUNDARY - STATION NO. 05NA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	00	00	0 B	10.7 B	1.97 E	0.544	0.080	0.118	0	0	0	0	1
2	00	00	0 B	10.6 B	1.79 E	0.513	0.085	0.082	0	0	0	0	2
3	00	00	0 B	13.0 B	1.87 A	0.484	0.086	0.053	0	0	0	0	3
4	00	00	0.0238	12.0 B	1.80	0.389	0.092	0.041	0	0	0	0	4
5	00	00	0.1038	10.2 B	1.38	0.361	0.089	0.031	0	0	0	0	5
6	00	00	0.0828	9.078	1.27	0.345	0.073	0.022	0	0	0	0	6
7	00	00	0.1038	8.81	1.14	0.310	0.059	0.014	0	0	0	0	7
8	00	00	0.0828	14.5	1.04	0.275	0.044	0.008	0	0	0	0	8
9	00	00	0.0658	18.4	1.01	0.241	0.039	0.008	0	0	0	0	9
10	00	00	0.0528	17.7	0.915	0.216	0.032	0.006	0	0	0	0	10
11	00	00	0.0559	19.0	0.852	0.185	0.023	0.004	0	0	0	00	11
12	00	00	0.0648	20.3	0.981	0.149	0.017	0.003	0	0	0	00	12
13	00	00	0.0818	21.7	1.05	0.130	0.014	0.002	0	0	0	00	13
14	00	00	0.1398	23.6	1.10	0.131	0.011	0.001	0	0	0	00	14
15	00	00	0.1788	21.7	1.12	0.122	0.009	0	0	0	0	00	15
16	00	00	0.2578	24.3	1.25	0.101	0.009	0	0	0	0	00	16
17	00	00	0.2038	24.0	1.41	0.092	0.009	0	0	0	0	00	17
18	00	00	0.1948	17.8	1.38	0.114	0.010	0	0	0	0	00	18
19	00	00	0.1318	12.7	1.29	0.124	0.023	0	0	0	0	00	19
20	00	00	0.1268	10.3	1.15	0.103	0.021	0	0	0	0	00	20
21	00	00	0.1138	8.57	1.04	0.089	0.017	0	0	0	0	00	21
22	00	00	0.0848	7.55	0.877	0.086	0.013	0	0	0	0	00	22
23	00	00	0.0648	6.80	0.788	0.093	0.009	0	0	0	0	00	23
24	00	00	0.0858	5.82	0.764	0.078	0.008	0	0	0	0	00	24
25	00	00	0.1068	4.89	0.718	0.088	0.484	0	0	0	0	00	25
26	00	00	0.1888	4.11	0.781	0.085	0.832	0	0	0	0	00	26
27	00	00	0.3038	3.32	0.780	0.048	0.507	0	0	0	0	00	27
28	00	00	0.3648	2.84	0.888	0.041	0.387	0	0	0	0	00	28
29	00		2.87 B	2.548E	0.838	0.038	0.278	0	0	0	0	00	29
30	00		10.8 B	2.228	0.615	0.051	0.208	0	0	0	0	00	30
31	00		12.1 B		0.588		0.158	0		0		00	31
TOTAL	0	0	26.787	388.99	33.487	8.818	3.384	0.390	0	0	0	0	TOTAL
MEAN	0	0	0.929	12.3	1.08	0.184	0.109	0.013	0	0	0	0	MEAN
MAX	0	0	12.1	24.3	1.87	0.544	0.832	0.118	0	0	0	0	MAX
MIN	0	0	0	2.22	0.588	0.038	0.008	0	0	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.51
MAXIMUM DAILY, 24.3 ON APR 14
MINIMUM DAILY, 00 ON JAN 1
MAXIMUM INSTANTANEOUS,
28.6 AT 00:46 CST ON APR 17

SUMMARY FOR THE YEAR 1983

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 00 01 N
LONG 103 21 08 W
DRAINAGE AREA, 3 210 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	293
FEB	0	AUG	33.7
MAR	2 490	SEP	0
APR	31 900	OCT	0
MAY	2 890	NOV	0
JUN	477	DEC	0

TOTAL DISCHARGE, 38 100 dam³

LONG CREEK NEAR ESTEVAN - STATION NO. 05NB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0778	0.0678	0.1338	10.7	1.98	0.488	0.088	0.306	0.212	0.048	0.148	0.0418	1
2	0.0778	0.0678	0.1338	14.6	0.883	0.458	0.103	0.188	0.123	0.048	0.144	0.0378	2
3	0.0778	0.0678	0.1338	14.6	0.807	0.408	0.073	0.085	0.078	0.044	0.148	0.0368	3
4	0.0778	0.0688	0.1338	14.7 E	0.672	0.377	0.058	0.035	0.074	0.042	0.128	0.0348	4
5	0.0778	0.0678	0.1338	14.7 E	0.598	0.363	0.098	0.200	0.075	0.038	0.135	0.0338	5
6	0.0788	0.0588	0.1338	17.8 A	0.855	0.404	0.078	0.287	0.075	0.084	0.135	0.0338	6
7	0.0748	0.0608	0.1338	23.5 E	0.744	0.484	0.043	0.273	0.078	0.282	0.133	0.0328	7
8	0.0788	0.0608	0.1338	23.3 E	0.862	0.374	0.087	0.185	0.065	0.259	0.099	0.0308	8
9	0.0728	0.0628	0.1338	18.6 E	0.818	0.480	0.088	0.083	0.093	0.261	0.038	0.0308	9
10	0.0868	0.0638	0.1338	15.0 E	1.38	0.350	0.175	0.188	0.085	0.306	0.084	0.0318	10
11	0.0808	0.0848	0.1338	15.0 E	0.981	0.385	0.070	0.189	0.078	0.214	0.088	0.0328	11
12	0.0888	0.0888	0.1338	15.0 E	0.772	0.224	0.041	0.173	0.114	0.328	0.082	0.0338	12
13	0.0838	0.0818	0.1338	17.8 E	1.10	0.188	0.078	0.182	0.103	0.335	0.061	0.0328	13
14	0.0828	0.0748	0.1338	20.1 E	1.33	0.129	0.180	0.182	0.108	0.329	0.050	0.0348	14
15	0.0818	0.0708	0.1338	20.1 E	1.10	0.129	0.128	0.145	0.190	0.214	0.088	0.0378	15
16	0.0808	0.0878	0.1338	20.0 E	1.05	0.238	0.120	0.081	0.128	0.047	0.142	0.0488	16
17	0.0488	0.0888	0.1338	20.0 E	0.862	0.220	0.112	0.083	0.087	0.127	0.128	0.0488	17
18	0.0488	0.0838	0.1338	20.0 E	1.01	0.220	0.088	0.080	0.077	0.187	0.111	0.0488	18
19	0.0488	0.0808	0.1338	18.7 E	0.981	0.113	0.123	0.118	0.077	0.070	0.104	0.0488	19
20	0.0488	0.0788	0.1338	13.8 E	1.07	0.135	0.130	0.185	0.078	0.043	0.084	0.0488	20
21	0.0488	0.0818	0.1338	7.46 A	0.870	0.148	0.114	0.144	0.078	0.044	0.082	0.0488	21
22	0.0488	0.0888	0.1338	1.82 E	0.903	0.171	0.107	0.115	0.078	0.048	0.088	0.0488	22
23	0.0488	0.0788	0.1338	0.868A	0.884	0.182	0.142	0.118	0.083	0.043	0.071	0.0488	23
24	0.0478	0.0678	0.1488	3.73	0.814	0.185	0.142	0.111	0.038	0.043	0.043	0.0448	24
25	0.0488	0.0888	0.1638	6.18	0.788	0.210	0.088	0.188	0.035	0.043	0.041	0.0438	25
26	0.0478	0.1088	0.1778	3.28	0.764	0.230	0.081	0.185	0.035	0.077	0.1888	0.0488	26
27	0.0808	0.1158	0.1828	3.04	0.678	0.284	0.071	0.112	0.044	0.088	0.1228	0.0418	27
28	0.0528	0.1248	0.2078	6.09	0.480	0.203	0.181	0.110	0.044	0.089	0.0878	0.0388	28
29	0.0528		0.2228	3.28	0.484	0.078	0.048	0.123	0.071	0.142	0.0808	0.0378	29
30	0.0528		0.438	1.41	0.484	0.088	0.307	0.131	0.083	0.148	0.0328	0.0388	30
31	0.0588		2.42		0.522		0.324	0.148		0.148		0.0388	31
TOTAL	1.810	2.124	7.018	383.978	28.080	7.888	3.883	4.483	2.881	4.832	2.837	1.188	TOTAL
MEAN	0.058	0.078	0.226	12.4	0.842	0.262	0.118	0.142	0.083	0.130	0.088	0.038	MEAN
MAX	0.077	0.124	2.42	23.5	1.48	0.488	0.324	0.306	0.212	0.335	0.188	0.048	MAX
MIN	0.048	0.068	0.133	0.868	0.488	0.088	0.041	0.038	0.035	0.038	0.032	0.030	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.33
MAXIMUM DAILY, 23.5E ON APR 7
MINIMUM DAILY, 0.035 ON SEP 25
MAXIMUM INSTANTANEOUS,
33.6 AT 10:06 CST ON APR 6

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 06 15 N
LONG 103 00 45 W
DRAINAGE AREA, 4 840 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1958

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	158	JUL	311
FEB	184	AUG	380
MAR	888	SEP	216
APR	33 200	OCT	348
MAY	2 250	NOV	285
JUN	880	DEC	103

TOTAL DISCHARGE, 39 700 dam³

LONG CREEK NEAR MARIN - STATION NO. 05NA004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.3518	1.09	0.081	0.271	0.007	0	0	---	---	1
2	---	---	0 B	0.3268	0.880	0.066	0.227	0.014	0	0	---	---	2
3	---	---	0 B	0.6748	0.660	0.061	0.172	0.012	0	0	---	---	3
4	---	---	0 B	0.7138	0.773	0.086	0.139	0.005	0	0	---	---	4
5	---	---	0 B	2.03 B	0.686	0.057	0.122	0.001	0	0	---	---	5
6	---	---	0 B	4.18 B	0.602	0.049	0.102E	0	0	0	---	---	6
7	---	---	0 B	5.52 B	0.531	0.048	0.079E	0	0	0	---	---	7
8	---	---	0 B	6.99 B	0.494	0.032	0.067E	0	0	0	---	---	8
9	---	---	0 B	8.65	0.469	0.021	0.053E	0	0	0	---	---	9
10	---	---	0 B	14.2	0.455	0.036	0.043E	0	0	0	---	---	10
11	---	---	0 B	19.7	0.435	0.019	0.038E	0	0	0	---	---	11
12	---	---	0 B	20.8	0.535	0.091	0.021E	0	0	0	---	---	12
13	---	---	0.0018	19.7	0.547	0.084	0.013E	0	0	0	---	---	13
14	---	---	0.0018	24.2	0.509	0.057	0.005E	0	0	0	---	---	14
15	---	---	0 B	18.4	0.805	0.056	0.001E	0	0	0	---	---	15
16	---	---	0 B	12.4	0.542	0.059	0.001E	0	0	0	---	---	16
17	---	---	0 B	9.32	0.483	0.085	0 E	0	0	0	---	---	17
18	---	---	0 B	7.65	0.402	0.080	0 E	0	0	0	---	---	18
19	---	---	0 B	6.21	0.385	0.071	1.05	0	0	0	---	---	19
20	---	---	0 B	5.34	0.339	0.076	1.14	0	0	0	---	---	20
21	---	---	0 B	4.67	0.359	0.078	0.433	E	0	0	---	---	21
22	---	---	0 B	4.12	0.406	0.187	0.264	0	0	0	---	---	22
23	---	---	0 B	3.67	0.423	0.187	0.139	0	0	0	---	---	23
24	---	---	0 B	3.82	0.405	0.131	0.078	0	0	0	---	---	24
25	---	---	0 B	2.26	0.354	0.104	0.068A	0	0	0	---	---	25
26	---	---	0 B	2.05	0.308	0.105	0.058A	0	0	0	---	---	26
27	---	---	0 B	1.82	0.265	0.080	0.034	0	0	0	---	---	27
28	---	---	0.0018	1.61	0.208	0.087	0.019	0	0	0	---	---	28
29	---		0.1858	1.43	0.161	0.086	0.011	0	0	0	---	---	29
30	---		0.6798	1.26	0.173	0.146	0.010	0	0	0	---	---	30
31	---		0.8828		0.134		0.002	0		0		---	31
TOTAL	---	---	1.749	213.813	14.918	2.317	5.867	0.039	0	0	---	---	TOTAL
MEAN	---	---	0.056	7.12	0.481	0.077	0.180	0.001	0	0	---	---	MEAN
MAX	---	---	0.882	24.2	1.09	0.187	1.05	0.014	0	0	---	---	MAX
MIN	---	---	0	0.335	0.134	0.019	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.972
MAXIMUM DAILY, 24.2 ON APR 14
MINIMUM DAILY, 0E ON MAR 1
MAXIMUM INSTANTANEOUS,
26.0 AT 04:22 CST ON APR 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 15 32 N
LONG 103 57 22 W

DRAINAGE AREA, 1 799 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	681
FEB	---	AUG	3.37
MAR	151	SEP	0
APR	18 800	OCT	0
MAY	1 280	NOV	---
JUN	200	DEC	---

TOTAL DISCHARGE, 20 800 dam³

LONG CREEK NEAR MOONAN - STATION NO. 05NB027

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0118	0.0078	0.8088	20.8 B	2.86	0.823	0.060	0.266	0	0	0.002	0.006	1
2	0.0118	0.0088	0.8218	20.0 B	2.32	0.586	0.045	0.224	0	0	0.001	0.0058	2
3	0.0128	0.0078	0.7938	18.4	2.10	0.536	0.042	0.156	0	0.001	0.003	0.0058	3
4	0.0128	0.0088	0.8218	17.6	1.78	0.481	0.037	0.122	0	0.001	0.006	0.0058	4
5	0.0138	0.0078	0.7938	15.5	1.59	0.425	0.027	0.074	0	0.001	0.006	0.0048	5
6	0.0178	0.0088	0.8088	12.5	1.44	0.395	0.031	0.052	0	0.001	0.004	0.0048	6
7	0.0178	0.0088	0.8088	11.7	1.33	0.388	0.034	0.042	0	0.001	0.004	0.0048	7
8	0.0188	0.0088	0.8108	13.0	1.19	0.388	0.031	0.027	0	0.001	0.003	0.0048	8
9	0.0188	0.0078	0.3408	17.3	1.19	0.340	0.034	0.020	0	0.001	0.003	0.0048	9
10	0.0188	0.0078	0.3118	18.0	1.10	0.311	0.040	0.017	0	0.001	0.002	0.0048	10
11	0.0188	0.0088	0.3118	18.1	0.983	0.283	0.034	0.012	0	0.001	0.002	0.0048	11
12	0.0128	0.0088	0.3868	19.1	0.983	0.265	0.037	0.008	0	0.001	0.003	0.0048	12
13	0.0118	0.0108	0.3888	20.1	1.19	0.232	0.037	0.007	0	0.001	0.004	0.0048	13
14	0.0128	0.0158	0.3408	21.1	1.16	0.221	0.034	0.006	0	0	0.004	0.0048	14
15	0.0128	0.0188	0.4818	21.2	1.16	0.178	0.031	0.004	0	0.001	0.004	0.0038	15
16	0.0118	0.0188	0.7038	20.5	1.16	0.158	0.027	0.003	0	0.001	0.003	0.0038	16
17	0.0118	0.0148	0.7388	23.4	1.33	0.136	0.023	0.002	0	0.001	0.004	0.0038	17
18	0.0108	0.0128	0.5858	20.5	1.53	0.116	0.019	0.001	0	0.001	0.004	0.0038	18
19	0.0088	0.0158	0.5858	19.2	1.50	0.102	0.076	0	0	0.001	0.004	0.0038	19
20	0.0088	0.0128	0.6388	12.1	1.36	0.088	0.088	0	0	0.001	0.004	0.0038	20
21	0.0088	0.0188	0.5108	10.3	1.26	0.074	0.082	0	0	0.002	0.004	0.0038	21
22	0.0088	0.0288	0.4638	8.86	1.10	0.122	0.040	0	0	0.002	0.004	0.0028	22
23	0.0088	0.0228	0.3888	8.06	0.906	0.118	0.031	0.001	0	0.002	0.005	0.0028	23
24	0.0088	0.5988	0.3888	7.16	0.878	0.105	0.027	0.001	0	0.002	0.005	0.0028	24
25	0.0088	0.7388	0.3888	6.48	0.821	0.074	0.032	0.001	0	0.001	0.005	0.0028	25
26	0.0088	1.22 B	0.3888	5.72	0.784	0.062	0.017	0.001	0	0.001	0.004	0.0028	26
27	0.0078	1.33 B	0.3408	4.84	0.793	0.045	0.014	0	0	0.002	0.004	0.0028	27
28	0.0088	0.8508	0.5858	3.82	0.793	0.040	0.013	0	0	0.001	0.005	0.0028	28
29	0.0088		2.32 B	3.36	0.736	0.037	0.234	0	0	0.001	0.006	0.0028	29
30	0.0088		8.48 B	3.00	0.680	0.051	0.388	0	0	0.001	0.006	0.0028	30
31	0.0078		20.7 B		0.651		0.540	0		0.002		0.0028	31
TOTAL	0.337	5.034	47.844	418.08	38.388	6.895	1.994	1.068	0	0.030	0.119	0.102	TOTAL
MEAN	0.011	0.180	1.53	13.9	1.24	0.230	0.064	0.034	0	0.001	0.004	0.003	MEAN
MAX	0.017	1.33	20.7	23.4	2.86	0.823	0.396	0.266	0	0.002	0.006	0.006	MAX
MIN	0.008	0.008	0.311	3.00	0.651	0.037	0.013	0	0	0	0.001	0.002	MIN

SUMMARY FOR THE YEAR 1983

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.43
MAXIMUM DAILY, 23.4 ON APR 17
MINIMUM DAILY, 0 ON AUG 19
MAXIMUM INSTANTANEOUS,
23.8 AT 12:00 CST ON APR 17

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 58 52 N
LONG 103 04 34 W

DRAINAGE AREA, 4 080 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	38.1	JUL	173
FEB	435	AUG	91.4
MAR	4 110	SEP	0
APR	36 100	OCT	2.84
MAY	3 330	NOV	10.3
JUN	686	DEC	6.81

TOTAL DISCHARGE, 44 800 dam³

LOWER FISHING LAKE ON THE HANSON LAKE ROAD - STATION NO. 05KE009

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	490.392	490.474	490.343	---	---	---	1
2	---	---	---	---	---	---	490.407	490.402E	490.343	---	---	---	2
3	---	---	---	---	---	---	490.406	490.451E	490.343	---	---	---	3
4	---	---	---	---	---	---	490.466	490.439	490.343	---	---	---	4
5	---	---	---	---	---	---	490.508E	490.434	490.338	---	---	---	5
6	---	---	---	---	---	---	490.528E	490.429	---	---	---	---	6
7	---	---	---	---	---	490.414	490.548	490.425	---	---	---	---	7
8	---	---	---	---	---	490.412E	490.549	490.396	---	---	---	---	8
9	---	---	---	---	---	490.410E	490.544	490.388E	---	---	---	---	9
10	---	---	---	---	---	490.408E	490.544	490.383E	---	---	---	---	10
11	---	---	---	---	---	490.408E	490.539	490.378	---	---	---	---	11
12	---	---	---	---	---	490.403	490.536E	490.378	---	---	---	---	12
13	---	---	---	---	---	490.403	490.530E	490.378	---	---	---	---	13
14	---	---	---	---	---	490.404E	490.530	490.398	---	---	---	---	14
15	---	---	---	---	---	490.406E	490.530	490.367	---	---	---	---	15
16	---	---	---	---	---	490.406	490.535	490.380E	---	---	---	---	16
17	---	---	---	---	---	490.408	490.535	490.380E	---	---	---	---	17
18	---	---	---	---	---	490.410	490.531	490.347	---	---	---	---	18
19	---	---	---	---	---	490.410	490.521E	490.347	---	---	---	---	19
20	---	---	---	---	---	490.400	490.521E	490.358	---	---	---	---	20
21	---	---	---	---	---	490.398E	490.521	490.358	---	---	---	---	21
22	---	---	---	---	---	490.393E	490.522	490.358	---	---	---	---	22
23	---	---	---	---	---	490.388	490.532	490.380E	---	---	---	---	23
24	---	---	---	---	---	490.388	490.532	490.381E	---	---	---	---	24
25	---	---	---	---	---	490.388	490.532	490.368	---	490.386	---	---	25
26	---	---	---	---	---	490.388	490.533E	490.368	---	---	---	---	26
27	---	---	---	---	---	490.381	490.533E	490.388	---	---	---	---	27
28	---	---	---	---	---	490.383E	490.533	490.388	---	---	---	---	28
29	---		---	---	---	490.388E	490.493	490.388	490.636	---	---	---	29
30	---		---	---	---	490.387	490.493	490.383E	---	---	---	---	30
31	---		---		---		490.493	490.348E		---		---	31
MEAN	---	---	---	---	---	---	490.513	490.381	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	490.548	490.474	---	---	---	---	MAX
MIN	---	---	---	---	---	---	490.392	490.347	---	---	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1983

MAXIMUM DAILY, 490.548 ON JUL 6

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 02 11 N
LONG 104 38 51 W

E - ESTIMATED

DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LUMSDEN INDEX RESERVOIR - STATION NO. 05JF013

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	27.902	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	27.819	---	---	---	---	---	5
6	---	---	---	28.098	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	27.785	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	27.876	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	28.314E	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	27.880	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	27.984	---	---	---	---	---	19
20	---	---	---	28.070	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	27.888	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	27.888E	---	---	---	---	---	---	---	---	---	---	28
29	---	---	---	---	---	---	---	---	---	---	---	---	29
30	---		---	27.930E	---	27.930E	---	---	27.700E	---	---	---	30
31	---		27.888E		27.840E		28.310E	27.890E		27.815E		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - MANUAL
LOCATION - LAT 50 32 31 N
LONG 104 00 37 W

E - ESTIMATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

LYONS CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 11AB075

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0	0	0	0	---	---	1
2	---	---	0	0	0	0	0	0	0	0	---	---	2
3	---	---	0	0	0	0	0	0	0	0	---	---	3
4	---	---	0	0	0	0	0	0	0	0	---	---	4
5	---	---	0	0	0	0	0	0	0	0	---	---	5
6	---	---	0	0	0	0	0	0	0	0	---	---	6
7	---	---	0	0	0	0	0	0	0	0	---	---	7
8	---	---	0	0	0	0	0	0	0	0	---	---	8
9	---	---	0	0	0	0	0	0	0	0	---	---	9
10	---	---	0	0	0	0	0.034	0	0	0	---	---	10
11	---	---	0	0	0	0	0.681	0	0	0	---	---	11
12	---	---	0	0	0	0	0.092	0	0	0	---	---	12
13	---	---	0	0	0	0	0.030	0	0	0	---	---	13
14	---	---	0	0	0	0	0.014	0	0	0	---	---	14
15	---	---	0	0	0	0	0	0	0	0	---	---	15
16	---	---	0	0	0	0	0	0	0	0	---	---	16
17	---	---	0	0	0	0	0	0	0	0	---	---	17
18	---	---	0	0	0	0	0	0	0	0	---	---	18
19	---	---	0	0	0	0	0	0	0	0	---	---	19
20	---	---	0	0	0	0	0	0	0	0	---	---	20
21	---	---	0	0	0	0	0	0	0	0	---	---	21
22	---	---	0	0	0	0	0	0	0	0	---	---	22
23	---	---	0	0	0	0	0	0	0	0	---	---	23
24	---	---	0	0	0	0	0	0	0	0	---	---	24
25	---	---	0	0	0	0	0	0	0	0	---	---	25
26	---	---	0	0	0	0	0	0	0	0	---	---	26
27	---	---	0	0	0	0	0	0	0	0	---	---	27
28	---	---	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	0	0	0	0	0.851	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0	0	0.027	0	0	0	---	---	MEAN
MAX	---	---	0	0	0	0	0.681	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.003
MAXIMUM DAILY, 0.681 ON JUL 11
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
1.74 AT 00:30 CST ON JUL 11

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 00 17 N
LONG 109 13 46 W
DRAINAGE AREA, 174 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	73.5
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 73.5 dam³

MACDONALD CREEK NEAR BOUNTY - STATION NO. 05HF005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.010 B	1.63 B	0.075	0.060	0.033	0.043	0.006	0.012	0.005	---	1
2	---	---	0.008 B	1.54 B	0.065	0.058	0.047	0.033	0.008	0.011	0.007	---	2
3	---	---	0.008 B	1.34 B	0.056	0.056	2.76	0.026	0.008	0.010	0.007A	---	3
4	---	---	0.007 B	1.06 B	0.054	0.057	2.36	0.018	0.008	0.008	---	---	4
5	---	---	0.007 B	0.978 B	0.053	0.058	1.77	0.012	0.007	0.007	---	---	5
6	---	---	0.007 B	1.00	0.050	0.055	1.01	0.008	0.008	0.007	---	---	6
7	---	---	0.007 B	1.01	0.065	0.054	0.118	0.004	0.005	0.010	---	---	7
8	---	---	0.007 B	0.886	0.043	0.053	0.081	0.003	0.004	0.010	---	---	8
9	---	---	0.007 B	0.887	0.050	0.053	0.052	0.002	0.006	0.010	---	---	9
10	---	---	0.008 B	0.626 B	0.180	0.051	0.044	0.001	0.009	0.008	---	---	10
11	---	---	0.018 B	0.758 B	0.308	0.051	0.040	0.001	0.008	0.008	---	---	11
12	---	---	0.052 B	0.638 B	0.408	0.052	0.031	0.001	0.006	0.008	---	---	12
13	---	---	0.042 B	0.542 B	0.181	0.050	0.025	0.001	0.006	0.008	---	---	13
14	---	0 B	0.008 B	0.387	0.084	0.050	0.018	0.001	0.018	0.010	---	---	14
15	---	---	0.013 B	0.184	0.101	0.046	0.013	0.001	0.027	0.008	---	---	15
16	---	---	0.012 B	0.183	0.112	0.047	0.008	0.001	0.034	0.008	---	---	16
17	---	---	0.010 B	0.184	0.113	0.047	0.007	0.002	0.038	0.008	---	---	17
18	---	---	0.005 B	0.172	0.126	0.046	0.005	0.002	0.041	0.008	---	---	18
19	---	---	0.002 B	0.181	0.115	0.043	0.004	0.003	0.045	0.006	---	---	19
20	---	---	0.001 B	0.186	0.103	0.041	0.051	0.004	0.044	0.007	---	---	20
21	---	---	0 B	0.172	0.086	0.040	0.514	0.006	0.042	0.006	---	---	21
22	---	---	0 B	0.150	0.082	0.040	0.089	0.006	0.038	0.006	---	---	22
23	---	---	0 B	0.136	0.074	0.041	0.067	0.006	0.035	0.041	---	---	23
24	---	---	0 B	0.108	0.071	0.038	0.061	0.006	0.031	0.080	---	---	24
25	---	0 B	0 B	0.099	0.075	0.038	0.037	0.012	0.027	0.042	---	---	25
26	---	0 B	0 B	0.118	0.074	0.036	0.084	0.010	0.022	0.027	---	---	26
27	---	0 B	0 B	0.114	0.070	0.037	0.137	0.010	0.016	0.018	---	---	27
28	---	0.000 B	0.027 B	0.109	0.066	0.033	0.124	0.010	0.013	0.012	---	---	28
29	---		0.766 B	0.097	0.058	0.027	0.087	0.010	0.013	0.008	---	---	29
30	---		2.45 B	0.085	0.055	0.026	0.088	0.010	0.013	0.007	---	---	30
31	---		3.15 B		0.052		0.080	0.008		0.006		---	31
TOTAL	---	---	6.626	15.610	3.088	1.388	9.659	0.263	0.588	0.413	---	---	TOTAL
MEAN	---	---	0.214	0.520	0.100	0.046	0.312	0.008	0.020	0.013	---	---	MEAN
MAX	---	---	3.15	1.63	0.408	0.060	2.76	0.043	0.045	0.080	---	---	MAX
MIN	---	---	0	0.085	0.043	0.026	0.004	0.001	0.004	0.006	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.154
MAXIMUM DAILY, 3.150 ON MAR 31
MINIMUM DAILY, 0B ON MAR 21
MAXIMUM INSTANTANEOUS,
4.400 AT 00:33 CST ON MAR 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 31 55 N
LONG 107 24 44 W
DRAINAGE AREA, 2 570 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	835
FEB	---	AUG	22.7
MAR	572	SEP	50.8
APR	1 350	OCT	35.7
MAY	267	NOV	---
JUN	120	DEC	---

TOTAL DISCHARGE, 3 250 dam³

MACFARLANE RIVER AT OUTLET OF DAVY LAKE - STATION NO. 07HD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	33.8	32.8	32.4	32.8	53.9	54.5	48.4	42.4	34.7	45.4	49.9	40.2	1
2	33.7	32.0	32.6	32.7	54.8	52.9	46.8	41.4	32.9	44.4	51.3	38.7	2
3	34.4	31.6	32.6	32.8	56.7	55.8	44.9	40.8	34.1	48.1	50.8	39.2	3
4	34.6	31.3	32.6	32.8	57.8	57.2	46.4	41.2	34.8	48.8	49.2	38.0	4
5	34.4	31.1	32.3	32.9	58.4	57.0	46.7	39.7	34.4	48.9	49.3	37.6	5
6	34.2	31.2	32.5	32.8	59.8	57.0	45.5	39.4	35.8	47.0	49.0	37.6	6
7	34.4	31.0	32.7	32.3	60.4	57.1	44.1	37.6	36.3	46.8	48.7	38.2	7
8	34.6	30.8	32.4	29.5	60.3	55.6	44.7	38.0	36.6	47.3	48.7	38.1	8
9	35.0	31.0	33.0	31.0	61.3	54.7	45.2	37.5	37.4	48.1	47.7	37.6	9
10	34.7	31.2	33.2	32.8	62.8	55.9	44.9	37.5	37.8	48.2	46.9	37.7	10
11	33.2	31.1	33.1	33.7	63.1	54.1	43.9	38.5	38.4	46.0	46.3	38.6	11
12	33.0	31.1	33.0	34.6	62.3	56.3	42.8	38.4	39.0	46.1	46.7	38.5	12
13	33.1	31.6	32.8	35.4	62.4	56.1	41.9	38.9	40.4	47.2	46.4	40.1	13
14	33.0	32.3	32.8	35.2	62.5	57.8	39.3	39.4	41.8	47.0	47.0	39.1	14
15	33.3	32.5	33.0	35.5	63.0	58.3	41.0	39.7	41.9	47.4	47.4	38.1	15
16	32.8	34.5	33.7	36.0	62.0	58.0	41.9	38.2	40.9	47.8	47.6	37.9	16
17	33.0	31.5	31.8	36.0	62.0	58.0	44.1	38.7	38.6	48.1	47.8	38.1	17
18	32.8	31.5	31.9	36.4	61.8	57.9	42.3	38.1	37.7	50.4	47.3A	38.2	18
19	32.6	31.7	32.4	36.5	62.1	55.6	41.3	36.9	41.5	50.0	47.3E	38.4	19
20	33.3	32.2	32.6	37.0	61.1	56.3	40.3	35.8	42.1	48.4	47.5E	38.3	20
21	33.7	32.9	32.5	37.6	61.4	55.6	40.1	35.8	43.6	48.9	47.6E	38.0	21
22	33.6	33.0	32.7	39.1	60.1	56.7	40.3	35.7	44.8	49.8	46.8E	38.0	22
23	33.0	33.0	32.7	41.0	60.1	56.3	40.5	35.5	45.8	51.5	46.9E	37.7	23
24	32.8	33.5	32.5	42.5	60.3	56.3	38.6	36.0	45.3	50.0	43.4E	38.3	24
25	32.2	33.2	33.1	42.9	60.3	56.6	39.1	36.2	45.9	48.8	42.0A	38.4	25
26	31.8	32.5	32.5	45.1	60.5	53.6	38.2	35.5	45.1	48.0	41.8	38.8	26
27	31.9	32.1	32.4	47.3	59.7	53.3	38.3	36.2	47.5	48.7	41.6	38.5	27
28	32.2	32.2	32.8	48.7	58.1	53.2	41.1	36.5	47.3	48.9	41.3	38.9	28
29	32.8		32.7	51.1	58.4	50.8	42.4	36.9	47.0	49.8	41.5	37.4	29
30	33.4		33.5	52.3	58.9	48.6	42.5	35.5	46.3	48.4	41.6	37.9	30
31	33.8		32.7		57.8		42.1	35.5		49.5		37.3	31
TOTAL	1 034.8	886.5	1 011.6	1 128.5	1 884.6	1 682.4	1 323.5	1 141.4	1 218.8	1 488.4	1 393.6	1 187.1	TOTAL
MEAN	33.4	32.0	32.6	37.6	60.1	56.4	42.7	38.8	40.6	48.3	46.5	38.3	MEAN
MAX	35.0	34.5	33.7	52.3	63.1	58.0	48.4	42.4	47.5	51.5	51.3	40.2	MAX
MIN	31.8	30.8	31.8	29.5	53.9	48.6	38.2	34.1	32.9	44.4	41.3	38.2	MIN

SUMMARY FOR THE YEAR 1983

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 42.1
MAXIMUM DAILY, 63.1 ON MAY 11
MINIMUM DAILY, 29.5 ON APR 8
MAXIMUM INSTANTANEOUS,
84.1 AT 09:21 CST ON MAY 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 68 58 00 N
LONG 108 10 30 W
DRAINAGE AREA, 8 130 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	88 400	JUL	114 000
FEB	77 500	AUG	98 800
MAR	87 400	SEP	105 000
APR	97 500	OCT	128 000
MAY	161 000	NOV	120 000
JUN	144 000	DEC	103 000

TOTAL DISCHARGE, 1 330 000 dam³

MACNAB CREEK NEAR BORDE - STATION NO. 05LB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.034	0.001	0.034	0.308	0	0	0	---	1
2	---	---	0B	0 B	0.012	0.018	0.044	0.303	0	0	---	---	2
3	---	---	0B	0 B	0.006	0.054	0.870	0.194	0	0	---	---	3
4	---	---	0B	0 B	0.013	0.085	1.20	0.145	0	0	---	---	4
5	---	---	0B	0 B	0.009	0.048	1.10	0.087	0	0	---	---	5
6	---	---	0B	0 B	0.007	0.057	0.851	0.090	0	0	---	---	6
7	---	---	0B	0 B	0.023	0.057	0.577	0.097	0	0	---	---	7
8	---	---	0B	0 B	0.017	0.061	0.477	0.093	0	0	---	---	8
9	---	---	0B	0 B	0.001	0.066	0.377	0.091	0	0	---	---	9
10	---	---	0B	0 B	0.008	0.061	0.371	0.085	0	0	---	---	10
11	---	---	0B	0 B	0.047	0.020	0.886	0.075	0	0	---	---	11
12	---	---	0B	0 B	0.051	0.056	1.04	0.086	0	0	---	---	12
13	---	---	0B	0 B	0.058	0.409	0.643	0.058	0	0	---	---	13
14	---	---	0B	0 B	0.068	0.524	0.368	0.047	0	0	---	---	14
15	---	---	0B	0 B	0.087	0.448	0.300	0.038	0	0	---	---	15
16	---	---	0B	0 B	0.085	0.378	0.554	0.031	0	0	---	---	16
17	---	---	0B	0 B	0.084	0.286	0.481	0.026	0	0	---	---	17
18	---	---	0B	0 B	0.076	0.151	0.267	0.019	0	0	---	---	18
19	---	---	0B	0.0188	0.073	0.087	0.140	0.017	0	0	---	---	19
20	---	---	0B	0.0818	0.068	0.048	0.118	0.015	0	0	---	---	20
21	---	---	0B	0.0178	0.070	0.025	0.104	0.012	0	0	---	---	21
22	---	---	0B	1.15 B	0.084	0.005	0.261	0.008	0	0	---	---	22
23	---	---	0B	0.880	0.078	0.001	0.158	0.004	0	0	---	---	23
24	---	---	0B	0.313	0.088	0.001	0.130	0.001	0	0	---	---	24
25	---	---	0B	0.113	0.080	0.002	0.103	0.001	0	0	---	---	25
26	---	---	0B	0.051	0.083	0.001	0.220	0	0	0	---	---	26
27	---	---	0B	0.036	0.045	0.001	0.558	0	0	0	---	---	27
28	---	---	0B	0.017	0.037	0.001	0.388	0	0	0	---	---	28
29	---		0B	0.014	0.015	0.001	0.294	0	0	0	---	---	29
30	---		0B	0.055	0.004	0.012	0.210	0	0	0	---	---	30
31	---		0B		0.004		0.202	0		0		---	31
TOTAL	---	---	0	3.326	1.286	2.980	13.318	1.918	0	0	---	---	TOTAL
MEAN	---	---	0	0.111	0.041	0.099	0.430	0.062	0	0	---	---	MEAN
MAX	---	---	0	1.15	0.084	0.524	1.20	0.308	0	0	---	---	MAX
MIN	---	---	0	0	0.001	0.001	0.034	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.093
MAXIMUM DAILY, 1.20 ON JUL 4
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.63 AT 17:54 CST ON APR 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 35 20 N
LONG 102 57 57 W
DRAINAGE AREA, 67.6 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 150
FEB	---	AUG	186
MAR	0	SEP	0
APR	287	OCT	0
MAY	111	NOV	---
JUN	287	DEC	---

TOTAL DISCHARGE, 1 970 dam³

MABEE LAKE NEAR KAMSACK - STATION NO. 05LE012

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	608.289	608.284	608.358	608.289	608.215E	608.202	---	1
2	---	---	---	---	---	608.308E	608.306	608.352	608.286	608.214E	608.200	---	2
3	---	---	---	---	---	608.319	608.324	608.350	608.288	608.212	608.198E	---	3
4	---	---	---	---	---	608.316	608.322E	608.350	608.285	608.214	608.196	---	4
5	---	---	---	---	---	608.311	608.321	608.354	608.260	608.212	608.200E	---	5
6	---	---	---	---	---	608.307E	608.318	608.350	608.282	608.214	608.202E	---	6
7	---	---	---	---	---	608.303	608.320E	608.349	608.280	608.218E	608.204	---	7
8	---	---	---	---	---	608.310	608.321	608.345	608.248	608.219E	608.202	---	8
9	---	---	---	---	---	608.306	608.335	608.323	608.250	608.221E	608.202	---	9
10	---	---	---	---	---	608.307E	608.375	608.329	608.282	608.224E	608.200	---	10
11	---	---	---	---	---	608.306	608.374E	608.325	608.280	608.226	---	---	11
12	---	---	---	---	---	608.320	608.372E	608.319	608.255	608.224	---	---	12
13	---	---	---	---	---	608.322	608.371E	608.325	608.263E	608.222	---	---	13
14	---	---	---	---	---	608.322E	608.370	608.321	608.250	608.222E	---	---	14
15	---	---	---	---	---	608.322	608.372	608.313	608.248	608.221E	---	---	15
16	---	---	---	---	---	608.314	608.380	608.308E	608.244	608.221E	---	---	16
17	---	---	---	---	---	608.313	608.378E	608.302	608.238	608.220	---	---	17
18	---	---	---	---	---	608.308	608.378	608.288	608.232	608.218	---	---	18
19	---	---	---	---	---	608.317	608.378	608.284	608.228	608.218	---	---	19
20	---	---	---	---	---	608.314E	608.380	608.288	608.229	608.212	---	---	20
21	---	---	---	---	---	608.311	608.378E	608.280	608.232	608.210	---	---	21
22	---	---	---	---	---	608.307	608.378E	608.277E	608.230	608.210E	---	---	22
23	---	---	---	---	---	608.305	608.374E	608.274E	608.216	608.208E	---	---	23
24	---	---	---	---	---	608.301	608.372E	608.271	608.218E	608.206F	---	---	24
25	---	---	---	---	---	608.318	608.370E	608.275	608.213E	608.208	---	---	25
26	---	---	---	---	---	608.312E	608.388E	608.273	608.214	608.208	---	---	26
27	---	---	---	---	608.308	608.308	608.388E	608.288	608.212	608.206	---	---	27
28	---	---	---	---	608.308E	608.304	608.383	608.281	608.214	608.208	---	---	28
29	---	---	---	---	608.304	608.300	608.389	608.277	608.218	608.207E	---	---	29
30	---	---	---	---	608.304	608.298	608.384	608.273	608.217E	608.207E	---	---	30
31	---	---	---	---	608.303		608.380	608.271		608.208		---	31
MEAN	---	---	---	---	---	608.310	608.368	608.310	608.238	608.215	---	---	MEAN
MAX	---	---	---	---	---	608.322	608.380	608.382	608.289	608.226	---	---	MAX
MIN	---	---	---	---	---	608.298	608.284	608.271	608.212	608.208	---	---	MIN

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 38 23 N
LONG 101 39 43 W

E - ESTIMATED

DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

MAGNUSSON CREEK NEAR WYNYARD - STATION NO. 05MA021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.012	0.002	0	0.241	0	0	---	---	1
2	---	---	0B	0 B	0.008	0.002	0	0.175	0	0	---	---	2
3	---	---	0B	0.0038	0.008	0.002	0	0.120	0	0	---	---	3
4	---	---	0B	0.0038	0.004	0.002	0	0.081	0	0	---	---	4
5	---	---	0B	0.0038	0.003	0.001	0	0.050	0	0	---	---	5
6	---	---	0B	0.0038	0.003	0.001	0	0.030	0	0	---	---	6
7	---	---	0B	0.2708	0.002	0.001	0	0.017	0	0	---	---	7
8	---	---	0B	1 12 B	0.002	0.001	0	0.010	0	0	---	---	8
9	---	---	0B	1.12 B	0.002	0.001	0	0.007	0	0	---	---	9
10	---	---	0B	1.14 B	0.004	0	0.103	0.008	0	0	---	---	10
11	---	---	0B	1.05 B	0.007	0	1.48	0.003	0	0	---	---	11
12	---	---	0B	0.4888	0.004	0	2.57	0.002	0	0	---	---	12
13	---	---	0B	0.3238	0.007	0	1.74	0.001	0	0	---	---	13
14	---	---	0B	0.184	0.008	0	1.07	0	0	0	---	---	14
15	---	---	0B	0.136	0.008	0	0.628	0	0	0	---	---	15
16	---	---	0B	0.117	0.008	0	0.418	0	0	0	---	---	16
17	---	---	0B	0 121	0.008	0	0.291	0	0	0	---	---	17
18	---	---	0B	0.133	0.013	0	0.193	0	0	0	---	---	18
19	---	---	0B	0.183	0.016	0	0.137	0	0	0	---	---	19
20	---	---	0B	0.488	0.013	0	0.117	0	0	0	---	---	20
21	---	---	0B	0.706	0.010	0	0.118	0	0	0	---	---	21
22	---	---	0B	0.886	0.008	0	3.78	0	0	0	---	---	22
23	---	---	0B	0.298	0.008	0	2.37	0	0	0	---	---	23
24	---	---	0B	0.173	0.007	0	1.24	0	0	0	---	---	24
25	---	---	0B	0.116	0.006	0	0.847	0	0	0	---	---	25
26	---	---	0B	0.090	0.008	0	0.638	0	0	0	---	---	26
27	---	---	0B	0.083	0.005	0	0.531	0	0	0	---	---	27
28	---	---	0B	0.038	0.004	0	0.670	0	0	0	---	---	28
29	---		0B	0.029	0.003	0	0.372	0	0	0	---	---	29
30	---		0B	0.018	0.003	0	0.282	0	0	0	---	---	30
31	---		0B		0.003		0.200	0		0		---	31
TOTAL	---	---	0	8.952	0.307	0.013	19.887	0.742	0	0	---	---	TOTAL
MEAN	---	---	0	0.298	0.007	0	0.635	0.024	0	0	---	---	MEAN
MAX	---	---	0	1.14	0.016	0.002	3.78	0.241	0	0	---	---	MAX
MIN	---	---	0	0	0.002	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.121
MAXIMUM DAILY, 3.78 ON JUL 22
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
4.72 AT 13:30 CST ON JUL 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 48 52 N
LONG 104 13 07 W
DRAINAGE AREA, 131 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	1 700
FEB	---	AUG	84.1
MAR	0	SEP	0
APR	773	OCT	0
MAY	17.8	NOV	---
JUN	1.13	DEC	---

TOTAL DISCHARGE, 2 580 dam³

MAKWA LAKE NEAR LOON LAKE - STATION NO. 05AD014

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	524.185	---	524.149	---	---	---	---	1
2	---	---	---	---	---	---	524.185	---	---	---	524.022	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	524.117	---	---	5
6	---	---	---	---	524.185	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	524.114	---	---	14
15	---	---	---	---	---	---	524.207	---	---	---	---	---	15
16	---	---	---	---	---	524.165	---	524.107	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	524.182	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	524.120	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	---	---	---	---	---	---	---	---	29
30	---		---	---	---	524.184	---	---	---	---	---	---	30
31	---		---		524.189		---	524.078		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 04 45 N
LONG 109 12 23 W
DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

MAKWA RIVER AT OUTLET OF MAKWA LAKE - STATION NO. 05AD009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.116	0.248	0.505	0.184	0.215	0.109	0.035	0.031	0.011	---	1
2	---	---	0.116	0.256	0.537	0.163	0.224	0.112	0.035	0.030	0.011A	---	2
3	---	---	0.116	0.265	0.518	0.135	0.290	0.112	0.039	0.028	---	---	3
4	---	---	0.116	0.265	0.503	0.118	0.273	0.113	0.040	0.026	---	---	4
5	---	---	0.116	0.269	0.465	0.117	0.264	0.109	0.042	0.023	---	---	5
6	---	---	0.116	0.267	0.452	0.119	0.271	0.111	0.048	0.022	---	---	6
7	---	---	0.116	0.283	0.557	0.134	0.278	0.113	0.048	0.019	---	---	7
8	---	---	0.116	0.307	0.435	0.119	0.268	0.115	0.044	0.017	---	---	8
9	---	---	0.116	0.307	0.432	0.127	0.249	0.109	0.048	0.015	---	---	9
10	---	---	0.116	0.318	0.395	0.107	0.302	0.103	0.048	0.013	---	---	10
11	---	---	0.117	0.334	0.417	0.122	0.281	0.098	0.048	0.012	---	---	11
12	---	---	0.117	0.342	0.398	0.100	0.228	0.103	0.048	0.012	---	---	12
13	---	---	0.117	0.338	0.385	0.104	0.218	0.093	0.048	0.012	---	---	13
14	---	---	0.117	0.345	0.337	0.102	0.222	0.084	0.047	0.012	---	---	14
15	---	---	0.117	0.382	0.335	0.095	0.237	0.072	0.050	0.012	---	---	15
16	---	---	0.117	0.370	0.318	0.085	0.188	0.081	0.057	0.011	---	---	16
17	---	---	0.117	0.407	0.349	0.089	0.188	0.089	0.074	0.010	---	---	17
18	---	---	0.117	0.423	0.351	0.082	0.138	0.084	0.088	0.010	---	---	18
19	---	---	0.117	0.426	0.386	0.085	0.128	0.089	0.083	0.010	---	---	19
20	---	---	0.117	0.388	0.342	0.071	0.134	0.083	0.083	0.010	---	---	20
21	---	---	0.117	0.384	0.370	0.085	0.108	0.088	0.083	0.010	---	---	21
22	---	---	0.117	0.370	0.330	0.080	0.135	0.083	0.080	0.009	---	---	22
23	---	---	0.117	0.420	0.327	0.094	0.115	0.048	0.080	0.009	---	---	23
24	---	---	0.118	0.430	0.312	0.108	0.128	0.048	0.058	0.008	---	---	24
25	---	---	0.119	0.438	0.320	0.171	0.185	0.044	0.057	0.008	---	---	25
26	---	---	0.1232	0.402	0.298	0.187	0.186	0.042	0.054	0.008	---	---	26
27	---	---	0.1318	0.471	0.271	0.170	0.121	0.039	0.048	0.008	---	---	27
28	---	---	0.1802	0.440	0.228	0.208	0.071	0.036	0.040	0.008	---	---	28
29	---		0.2074	0.441	0.180	0.224	0.072	0.037	0.036	0.008	---	---	29
30	---		0.228	0.445	0.212	0.207	0.089	0.036	0.033	0.008	---	---	30
31	---		0.234		0.187		0.109	0.035		0.008		---	31
TOTAL	---	---	4.001	10.835	11.391	5.076	5.074	2.348	1.519	0.427	---	---	TOTAL
MEAN	---	---	0.129	0.381	0.367	0.123	0.186	0.073	0.051	0.014	---	---	MEAN
MAX	---	---	0.234	0.482	0.557	0.224	0.348	0.116	0.074	0.031	---	---	MAX
MIN	---	---	0.116	0.248	0.187	0.082	0.071	0.035	0.033	0.008	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGE IN CUBIC METRES PER SECOND

MEAN, 0.184
MAXIMUM DAILY, 0.557 ON MAY 7
MINIMUM DAILY, 0.008 ON OCT 26
MAXIMUM INSTANTANEOUS,
0.573 AT 15:45 CST ON MAY 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 04 40 N
LONG 109 12 00 W
DRAINAGE AREA, 1 620 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	535
FEB	---	AUG	303
MAR	346	SEP	131
APR	936	OCT	36.8
MAY	984	NOV	---
JUN	318	DEC	---

TOTAL DISCHARGE, 3 480 dam³

MAKWA RIVER AT RAPID VIEW - STATION NO. 08AD007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.2178	0.5788	1.15	0.815	1.50	0.492	0.231	1.13	0.410	---	1
2	---	---	0.2178	0.6898	1.13	0.818	1.42	0.380	0.241	1.10	0.584A	---	2
3	---	---	0.2178	1.03 B	1.08	0.988	1.33	0.285	0.235	1.08	---	---	3
4	---	---	0.2178	1.47 B	1.04	0.971	1.34	0.384	0.223	1.05	---	---	4
5	---	---	0.2178	2.62 B	1.01	0.931	1.17	0.398	0.285	1.08	---	---	5
6	---	---	0.2178	2.29 B	0.987	0.882	1.04	0.381	0.278	1.09	---	---	6
7	---	---	0.2178	2.61 B	1.00	0.940	1.14	0.347	0.194	1.14	---	---	7
8	---	---	0.2178	2.80 B	0.858	0.908	1.15	0.335	0.392	1.15	---	---	8
9	---	---	0.2178	3.34 B	1.01	0.974	1.17	0.286	0.740	1.05	---	---	9
10	---	---	0.2178	3.89 B	0.988	1.09	1.20	0.263	0.883	0.980	---	---	10
11	---	---	0.2178	3.54 B	1.18	1.02	1.20	0.258	0.888	0.887	---	---	11
12	---	---	0.2178	3.98 B	1.02	1.08	1.27	0.307	0.886	0.800	---	---	12
13	---	---	0.2178	5.20 B	1.25	1.11	1.25	0.282	0.858	0.896	---	---	13
14	---	---	0.2178	7.53	1.36	1.09	1.29	0.285	0.849	0.585	---	---	14
15	---	---	0.2178	5.85	1.37	1.17	1.26	0.265	0.858	0.589	---	---	15
16	---	---	0.2178	4.63	1.06	1.21	1.17	0.278	0.885	0.540	---	---	16
17	---	---	0.2178	3.46	1.15	1.21	1.10	0.287	0.881	0.546	---	---	17
18	---	---	0.2178	2.77	1.01	1.05	0.988	0.278	0.859	0.508	---	---	18
19	---	---	0.2178	2.33	1.10	1.01	0.984	0.263	1.04	0.510	---	---	19
20	---	---	0.2178	2.09	1.13	1.11	1.09	0.288	1.10	0.503	---	---	20
21	---	---	0.2178	2.08	1.30	1.23	1.24	0.288	1.12	0.554	---	---	21
22	---	---	0.2178	1.90	1.43	1.32	1.09	0.288	1.12	0.748	---	---	22
23	---	---	0.2178	1.89	1.40	1.36	0.883	0.289	1.11	0.713	---	---	23
24	---	---	0.2178	1.85	1.33	1.48	0.888	0.281	1.17	0.581	---	---	24
25	---	---	0.2208	1.47	1.30	1.46	0.788	0.282	1.20	0.471	---	---	25
26	---	---	0.2258	1.50	1.74	1.44	0.742	0.281	1.17	0.398	---	---	26
27	---	---	0.2388	1.28	2.11	1.54	0.783	0.288	1.12	0.381	---	---	27
28	---	---	0.3008	1.20	1.24	1.58	0.638	0.277	1.11	0.398	---	---	28
29	---		0.4108	1.15	1.02	1.45	0.648	0.278	1.08	0.380	---	---	29
30	---		0.5428	1.14	0.941	1.52	0.657	0.248	1.11	0.384	---	---	30
31	---		0.5428		0.835		0.583	0.239		0.371		---	31
TOTAL	---	---	7.885	77.427	38.488	34.815	32.908	9.239	24.124	22.383	---	---	TOTAL
MEAN	---	---	0.248	2.58	1.18	1.18	1.06	0.288	0.804	0.721	---	---	MEAN
MAX	---	---	0.543	7.53	2.11	1.58	1.50	0.492	1.20	1.15	---	---	MAX
MIN	---	---	0.217	0.578	0.835	0.882	0.583	0.239	0.194	0.371	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.00
MAXIMUM DAILY, 7.53 ON APR 14
MINIMUM DAILY, 0.194 ON SEP 7
MAXIMUM INSTANTANEOUS,
8.72 AT 00:27 CST ON APR 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 08 50 N
LONG 108 48 20 W
DRAINAGE AREA, 2 740 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 840
FEB	---	AUG	798
MAR	884	SEP	2 080
APR	6 690	OCT	1 930
MAY	3 150	NOV	---
JUN	3 030	DEC	---

TOTAL DISCHARGE, 21 200 dam³

MALONECK CREEK NEAR PELLY - STATION NO. 05LE011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	00	0 B	2.35	0.123	0.336	1.88	0.002	0.035	0.083	---	1
2	---	---	00	0 B	2.02	0.117	0.462	1.31	0.002	0.032	0.068A	---	2
3	---	---	00	0 B	1.76	0.134	2.77	0.888	0.018	0.033	---	---	3
4	---	---	00	0 B	1.46	0.118	3.86	0.721	0.029	0.033	---	---	4
5	---	---	00	0 B	1.32	0.126	3.89	0.636	0.021	0.030	---	---	5
6	---	---	00	0 B	1.11	0.118	3.35	0.470	0.022	0.030	---	---	6
7	---	---	00	0 B	0.982	0.106	2.53	0.453	0.011	0.031	---	---	7
8	---	---	00	0 B	0.817	0.103	1.71	0.423	0.005	0.043	---	---	8
9	---	---	00	0 B	0.726	0.108	1.35	0.324	0.018	0.084	---	---	9
10	---	---	00	0 B	0.670	0.168	1.12	0.435	0.012	0.083	---	---	10
11	---	---	00	0 B	0.827	0.171	0.950	0.447	0.008	0.086	---	---	11
12	---	---	00	0 B	0.836	0.238	0.808	0.400	0.006	0.081	---	---	12
13	---	---	00	0 B	0.846	0.238	0.648	0.310	0.003	0.077	---	---	13
14	---	---	00	0 B	0.862	0.253	0.487	0.134	0.003	0.084	---	---	14
15	---	---	00	0 B	1.03	0.258	0.380	0.046	0.008	0.070	---	---	15
16	---	---	00	0 B	1.03	0.210	0.380	0.004	0.007	0.077	---	---	16
17	---	---	00	0 B	0.989	0.188	0.378	0.001	0.007	0.087	---	---	17
18	---	---	00	0.0018	0.810	0.137	0.379	0.001	0.007	0.087	---	---	18
19	---	---	00	0.0018	0.858	0.133	0.324	0.001	0.003	0.086	---	---	19
20	---	---	00	0.0018	0.887	0.087	0.247	0.001	0.001	0.088	---	---	20
21	---	---	00	0.0418	0.823	0.078	0.234	0.001	0.001	0.083	---	---	21
22	---	---	00	0.5178	0.481	0.088	0.183	0.001	0.003	0.081	---	---	22
23	---	---	00	3.07 B	0.437	0.085	0.184	0.001	0.004	0.047	---	---	23
24	---	---	00	8.43 B	0.378	0.088	0.188	0.001	0.010	0.048	---	---	24
25	---	---	00	12.2	0.314	0.088	0.284	0.001	0.015	0.047	---	---	25
26	---	---	00	10.8	0.284	0.070	4.80	0.001	0.015	0.047	---	---	26
27	---	---	00	7.83	0.228	0.088	4.81	0.001	0.021	0.048	---	---	27
28	---	---	00	5.12	0.187	0.085	3.83	0.001	0.010	0.050	---	---	28
29	---		00	3.83	0.187	0.084	4.36	0.001	0.007	0.051	---	---	29
30	---		00	2.81	0.138	0.082	3.02	0.001	0.008	0.052	---	---	30
31	---		00		0.123		2.12	0.031		0.056		---	31
TOTAL	---	---	0	84.461	35.310	3.731	49.385	5.818	0.303	1.678	---	---	TOTAL
MEAN	---	---	0	2.82	0.818	0.124	1.59	0.284	0.010	0.084	---	---	MEAN
MAX	---	---	0	12.2	2.35	0.258	4.80	1.88	0.029	0.083	---	---	MAX
MIN	---	---	0	0	0.123	0.082	0.184	0.001	0.001	0.036	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.868
MAXIMUM DAILY, 12.2 ON APR 25
MINIMUM DAILY, 00 ON MAR 1
MAXIMUM INSTANTANEOUS,
13.6 AT 19:02 CST ON APR 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 61 58 05 N
LONG 101 54 50 W
DRAINAGE AREA, 180 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	4 270
FEB	---	AUG	782
MAR	0	SEP	26.2
APR	4 700	OCT	146
MAY	2 150	NOV	---
JUN	322	DEC	---

TOTAL DISCHARGE, 12 400 dam³

MANITO LAKE NEAR MARSDEN - STATION NO. 05EA005

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	24.582	---	---	---	1
2	---	---	---	---	---	24.633	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	24.587	---	3
4	---	---	---	---	---	---	24.654	---	24.572	---	---	---	4
5	---	---	---	---	---	---	24.652	---	---	---	---	---	5
6	---	---	---	---	---	---	24.649	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	24.603	---	---	---	---	9
10	---	---	---	---	---	24.587	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	24.587	---	24.603	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	24.591	---	---	---	---	---	---	16
17	---	---	---	---	---	24.599	24.631	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	24.594	24.631	24.630	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	24.602	24.649	24.588	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	---	24.649	---	24.570	---	---	---	28
29	---		---	---	---	---	---	---	---	---	---	---	29
30	---		---	---	---	---	---	---	---	---	---	---	30
31	---		---		---		---	24.590		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 47 33 N
LONG 109 47 14 W
DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

NATURAL FLOW

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

MAPLE CREEK BELOW JUNCTION RESERVOIR - STATION NO. 05NA075

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0010	0.0040	3.03	0.000	0.000	0.002	0	0.000	0.010	---	1
2	---	---	0.0020	0.0040	2.22	0.004	0.007	0.003	0	0.000	0.010	---	2
3	---	---	0.0020	0.0060	2.28	0.004	0.000	1.81	0	0.000	0.010A	---	3
4	---	---	0.0020	0.0030	2.13	0.003	0.007	3.03	0	0.000	---	---	4
5	---	---	0.0030	0.0030	1.89	0.003	0.000	3.18	0	0.037	---	---	5
6	---	---	0.0040	0.0020	1.36	0.003	0.005	3.51	0	1.47	---	---	6
7	---	---	0.0060	0.0020	0.886	0.002	0.004	3.47	0	1.41	---	---	7
8	---	---	0.0060	0.0020	1.31	0.001	0.005	3.42	0	1.08	---	---	8
9	---	---	0.0070	0.0020	1.60	0.001	0.007	3.37	0	0.011	---	---	9
10	---	---	0.0100	0.0020	0.813	0.001	0.019	3.36	0	0.000	---	---	10
11	---	---	0.0080	0.0010	0.005	0.002	0.011	3.33	0	0.000	---	---	11
12	---	---	0.0080	0.0010	0.003	0.003	0.005	4.33	0	0.000	---	---	12
13	---	---	0.0110	0.0010	0.003	0.002	0.005	3.31	0.003	0.000	---	---	13
14	---	---	0.0140	0.0010	0.004	0.001	0.004	2.86	0.003	0.000	---	---	14
15	---	0.0080	0.0080	0.0010	0.005	0.001	0.005	2.50	0.001	0.000	---	---	15
16	---	0.0040	0.0080	0.001	0.007	0.001	0.005	1.28	0	0.007	---	---	16
17	---	0.0020	0.0070	0.001	1.23	0.001	0.004	0.000	0	0.007	---	---	17
18	---	0.0010	0.0060	0.001	1.00	0.002	0.005	0.005	0	0.000	---	---	18
19	---	0.0010	0.0060	0.001	1.08	0.004	0.005	0.004	0	0.000	---	---	19
20	---	0.0030	0.0060	0.001	2.08	0.002	0.010	0.004	0	0.000	---	---	20
21	---	0.0040	0.0060	0.001	1.88	0.002	0.000	0.003	0	0.007	---	---	21
22	---	0.0030	0.0060	0.001	1.80	0.003	0.004	0.003	0	0.007	---	---	22
23	---	0.0030	0.0060	0.001	1.84	0.004	0.004	0.002	0	0.007	---	---	23
24	---	0.0030	0.0060	0.001	1.87	0.005	0.004	0.002	0	0.006	---	---	24
25	---	0.0020	0.0060	0.001	1.91	0.004	0.004	0.002	0	0.000	---	---	25
26	---	0.0010	0.0060	0.001	1.97	0.004	0.003	0.001	0.002	0.000	---	---	26
27	---	0.0010	0.0060	1.07	2.02	0.004	0.003	0.001	0.000	0.000	---	---	27
28	---	0	0.0060	1.05	1.88	0.004	0.003	0.001	0.007	0.000	---	---	28
29	---		0.0060	1.04	1.37	0.006	0.003	0	0.007	0.000	---	---	29
30	---		0.0060	1.04	1.39	0.007	0.004	0	0.006	0.010	---	---	30
31	---		0.0060		0.730		0.002	0		0.010		---	31
TOTAL	---	---	0.185	0.045	42.818	0.081	0.186	42.582	0.037	4.982	---	---	TOTAL
MEAN	---	---	0.006	0.232	1.37	0.003	0.006	1.37	0.001	0.161	---	---	MEAN
MAX	---	---	0.014	1.05	3.28	0.007	0.010	4.33	0.006	1.47	---	---	MAX
MIN	---	---	0.001	0.001	0.003	0.001	0.002	0	0	0.000	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.300
MAXIMUM DAILY, 4.33 ON AUG 12
MINIMUM DAILY, 0 ON AUG 28
MAXIMUM INSTANTANEOUS,
4.50 AT 02:10 CST ON AUG 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 48 02 N
LONG 109 31 22 W
DRAINAGE AREA, 1 200 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	18.0
FEB	---	AUG	3 680
MAR	16.0	SEP	3.20
APR	800	OCT	430
MAY	3 670	NOV	---
JUN	7.88	DEC	---

TOTAL DISCHARGE, 8 630 dam³

MAREAN LAKE NEAR CHELAN - STATION NO. 08LB012

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	532.711	---	532.818	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	532.735	---	532.812	---	---	---	---	4
5	---	---	---	---	---	---	---	532.808	---	---	---	---	5
6	---	---	---	---	---	---	532.784	---	---	---	---	---	6
7	---	---	---	---	---	532.725	---	---	532.887	---	---	---	7
8	---	---	---	---	---	---	---	532.780	---	---	---	---	8
9	---	---	---	---	---	---	532.772	---	---	---	---	---	9
10	---	---	---	---	---	532.727	---	532.780	---	532.849	---	---	10
11	---	---	---	---	---	532.726	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	532.789	---	---	---	---	12
13	---	---	---	---	---	---	532.806	532.782	532.783	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	532.806	---	---	---	---	---	15
16	---	---	---	---	---	532.745	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	532.849	---	---	17
18	---	---	---	---	---	---	532.801	---	---	---	---	---	18
19	---	---	---	---	---	532.735	532.788	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	532.839	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	532.734	532.802	---	---	---	---	---	23
24	---	---	---	---	---	---	---	532.721	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	532.727	---	---	532.725	---	---	---	---	26
27	---	---	---	---	---	532.726	---	532.722	532.886	532.826	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	532.718	---	532.818	---	532.888	---	---	---	29
30	---		---	---	---	532.724	---	532.715	---	---	---	---	30
31	---		---		---		532.814	---		532.818		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MAXIMUM DAILY, 532.818 ON JUL 29

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 29 57 N
LONG 103 34 29 W
DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

MCDONALD CREEK NEAR MCCORD - STATION NO. 05JA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.0288	0.0700	0.011	0.011	0.001	0	0	0.001	0	---	1
2	---	0 B	0.0288	0.060	0.010	0.010	0.002	0	0	0.001	0A	---	2
3	---	0 B	0.0208	0.036	0.009	0.009	0.002	0	0	0.001	---	---	3
4	---	0 B	0.0408	0.032	0.008	0.008	0.001	0	0	0	---	---	4
5	---	0 B	0.0378	0.033	0.008	0.008	0.001	0	0	0	---	---	5
6	---	0 B	0.0388	0.037	0.007	0.007	0.001	0	0	0	---	---	6
7	---	0 B	0.0268	0.032	0.007	0.007	0.001	0	0	0	---	---	7
8	---	0 B	0.0138	0.027	0.008	0.008	0.001	0	0	0	---	---	8
9	---	0 B	0.0138	0.022	0.007	0.006	0.001	0	0	0	---	---	9
10	---	0 B	0.0148	0.022	0.010	0.008	0.035	0	0.001	0.001	---	---	10
11	---	0 B	0.0138	0.018	0.018	0.008	0.312	0	0.001	0	---	---	11
12	---	0 B	0.0158	0.017	0.043	0.005	0.134	0	0.001	0	---	---	12
13	---	0 B	0.0218	0.018	0.235	0.004	0.058	0	0.001	0	---	---	13
14	---	0 B	0.0248	0.015	0.114	0.004	0.029	0	0.001	0	---	---	14
15	---	0 B	0.0228	0.018	0.080	0.003	0.014	0	0.001	0.001	---	---	15
16	---	0.0208	0.0218	0.018	0.188	0.003	0.008	0	0.001	0.001	---	---	16
17	---	0.0208	0.0188	0.014	0.820	0.003	0.005	0	0.001	0.001	---	---	17
18	---	0.0088	0.0198	0.015	0.428	0.003	0.004	0	0.001	0	---	---	18
19	---	0.0788	0.0188	0.018	0.388	0.003	0.004	0	0	0.001	---	---	19
20	---	0.0888	0.0178	0.018	0.312	0.002	0.007	0	0	0	---	---	20
21	---	0.0828	0.0198	0.014	0.228	0.002	0.005	0	0	0	---	---	21
22	---	0.0648	0.0288	0.013	0.180	0.002	0.004	0	0.001	0	---	---	22
23	---	0.0888	0.0248	0.011	0.123	0.002	0.003	0	0.001	0	---	---	23
24	---	0.0488	0.0218	0.012	0.088	0.002	0.001	0	0.001	0	---	---	24
25	---	0.0438	0.0178	0.011	0.068	0.001	0	0	0	0	---	---	25
26	---	0.0348	0.0288	0.012	0.030	0.001	0	0	0	0	---	---	26
27	---	0.0488	0.0288	0.011	0.022A	0	0	0	0	0	---	---	27
28	---	0.0388	0.0178	0.011	0.020	0	0	0	0	0	---	---	28
29	---		0.0438	0.011	0.015	0	0	0	0	0	---	---	29
30	---		0.1048	0.011	0.013	0	0	0	0.001	0	---	---	30
31	---		0.0808		0.012		0	0		0		---	31
TOTAL	---	0.893	0.850	0.838	3.152	0.123	0.835	0	0.013	0.008	---	---	TOTAL
MEAN	---	0.028	0.027	0.021	0.102	0.004	0.020	0	0	0	---	---	MEAN
MAX	---	0.088	0.104	0.070	0.820	0.011	0.312	0	0.001	0.001	---	---	MAX
MIN	---	0	0.013	0.011	0.008	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.032
MAXIMUM DAILY, 0.820 ON MAY 17
MINIMUM DAILY, 0 ON JUN 27
MAXIMUM INSTANTANEOUS,
0.837 AT 15:30 CST ON MAY 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 25 14 N
LONG 100 59 05 W
DRAINAGE AREA, 257 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

REMARKS - SOME RUNOFF OCCURRED IN FEBRUARY, OUTSIDE THE STANDARD PERIOD

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	84.8
FEB	89.8	AUG	0
MAR	73.4	SEP	1.12
APR	88.1	OCT	0.88
MAY	272	NOV	---
JUN	10.8	DEC	---

TOTAL DISCHARGE, 488 dam³

MCDONALD TRIBUTARY NEAR TOTRES - STATION NO. 05HF015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0	0 B	0.278	0.004	0	0	0	0	0	---	---	1
2	---	0	0 B	0.189	0.004	0	0	0	0	0	---	---	2
3	---	0	0 B	0.122	0.004	0	0.032	0	0	0	---	---	3
4	---	0	0 B	0.090	0.003	0	0.024	0	0	0	---	---	4
5	---	0	0 B	0.083	0.003	0	0.008	0	0	0	---	---	5
6	---	0	0 B	0.048	0.003	0	0.004	0	0	0	---	---	6
7	---	0	0 B	0.032	0.002	0	0.002	0	0	0	---	---	7
8	---	0	0 B	0.027	0.002	0	0	0	0	0	---	---	8
9	---	0	0 B	0.020	0.002	0	0	0	0	0	---	---	9
10	---	0	0.0808	0.013	0.008	0	0	0	0	0	---	---	10
11	---	0	0.1508	0.015	0.006	0	0.003	0	0	0	---	---	11
12	---	0	0.1008	0.010	0.010	0	0.003	0	0	0	---	---	12
13	---	0	0.0758	0.009	0.008	0	0.002	0	0	0	---	---	13
14	---	0	0.0658	0.013	0.008	0	0	0	0	0	---	---	14
15	---	0	0.0558	0.014	0.007	0	0	0	0	0	---	---	15
16	---	0	0.0308	0.012	0.005	0	0	0	0	0	---	---	16
17	---	0	0.0108	0.012	0.004	0	0	0	0	0	---	---	17
18	---	0	0 B	0.011	0.004	0	0	0	0	0	---	---	18
19	---	0	0 B	0.010	0.003	0	0	0	0	0	---	---	19
20	---	0	0 B	0.009	0.003	0	0	0	0	0	---	---	20
21	---	0	0 B	0.007	0.003	0	0	0	0	0	---	---	21
22	---	0	0 B	0.006	0.003	0	0	0	0	0	---	---	22
23	---	0	0 B	0.005	0.003	0	0	0	0	0	---	---	23
24	---	0	0 B	0.004	0.003	0	0	0	0	0	---	---	24
25	---	0.004	0 B	0.005	0.003	0	0	0	0	0	---	---	25
26	---	0.0128	0 B	0.014	0.002	0	0	0	0	0	---	---	26
27	---	0.0048	0.1508	0.011	0.001	0	0	0	0	0	---	---	27
28	---	0.0028	0.2258	0.009	0	0	0	0	0	0	---	---	28
29	---		0.3058	0.007	0	0	0	0	0	0	---	---	29
30	---		0.5118	0.005	0	0	0	0	0	0	---	---	30
31	---		0.407		0		0			0		---	31
TOTAL	---	0.022	2.143	1.088	0.113	0	0.078	0	0	0	---	---	TOTAL
MEAN	---	0.001	0.069	0.036	0.004	0	0.003	0	0	0	---	---	MEAN
MAX	---	0.012	0.511	0.278	0.010	0	0.032	0	0	0	---	---	MAX
MIN	---	0	0	0.004	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.014
MAXIMUM DAILY, 0.5118 ON MAR 30
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.5978 AT 09:31 CST ON MAR 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 20 04 N
LONG 106 28 55 W
DRAINAGE AREA, 46.1 km²

B - ICE CONDITIONS

REGULATED SINCE 1967

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	8.74
FEB	1.90	AUG	0
MAR	185	SEP	0
APR	93.3	OCT	0
MAY	9.76	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 294 dam³

MCKINNON DITCH NEAR CONSUL - STATION NO. 11AB044

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0	0	0	0	---	---	1
2	---	---	0	0	0.882	0	0	0	0	0	---	---	2
3	---	---	0	0	1.20	0	0	0	0	0	---	---	3
4	---	---	0	0	1.32	0	0	0	0	0	---	---	4
5	---	---	0	0	1.37	0	0	0	0	0	---	---	5
6	---	---	0	0	1.39	0	0	0	0	0	---	---	6
7	---	---	0	0	1.42	0	0	0	0	0	---	---	7
8	---	---	0	0	1.46	0	0	0	0	0	---	---	8
9	---	---	0	0	1.43	0	0	0	0	0	---	---	9
10	---	---	0	0	0.833	0	0	0	0	0	---	---	10
11	---	---	0	0	0.004	0	0	0	0	0	---	---	11
12	---	---	0	0	0	0	0	0	0	0	---	---	12
13	---	---	0	0	0	0	0	0	0	0	---	---	13
14	---	---	0	0	0	0	0	0	0	0	---	---	14
15	---	---	0	0	0	0	0	0	0	0	---	---	15
16	---	---	0	0	0.832	0	0	0	0	0	---	---	16
17	---	---	0	0	1.08	0	0	0	0	0	---	---	17
18	---	---	0	0	1.07	0	0	0	0	0	---	---	18
19	---	---	0	0	0.963	0	0	0	0	0	---	---	19
20	---	---	0	0	0.884	0	0	0	0	0	---	---	20
21	---	---	0	0	0.679	0	0	0	0	0	---	---	21
22	---	---	0	0	0.306	0	0	0	0	0	---	---	22
23	---	---	0	0	0.004	0	0	0	0	0	---	---	23
24	---	---	0	0	0	0	0	0	0	0	---	---	24
25	---	---	0	0	0	0	0	0	0	0	---	---	25
26	---	---	0	0	0	0	0	0	0	0	---	---	26
27	---	0	0	0	0	0	0	0	0	0	---	---	27
28	---	0	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	0	0	17.013	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0.549	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0	1.46	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.089
MAXIMUM DAILY, 1.46 ON MAY 8
MINIMUM DAILY, 0 ON MAR 1

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 30 00 N
LONG 100 28 40 W

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	1 470	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 1 470 dam³

MEADOW RIVER BELOW MEADOW LAKE - STATION NO. 08AD010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.4988	0.8548	0.7828	0.778	4.61	2.51	1.13	0.554	0.182	0.248	0.257	0.1708	1
2	0.5008	0.6738	0.7888	0.767	4.36	2.26	1.02	0.510	0.136	0.233	0.386	0.1678	2
3	0.5048	0.6798	0.7908	0.758	4.61	2.33	0.940	0.496	0.090	0.258	0.260	0.1898	3
4	0.5098	0.6818	0.7998	0.825	4.89	2.36	0.947	0.470	0.117	0.214	0.237	0.1748	4
5	0.5138	0.7088	0.8148	0.929	5.23	2.22	0.946	0.471	0.110	0.195	0.219	0.1808	5
6	0.5078	0.7158	0.8108	1.06	5.37	2.15	0.902	0.432	0.169	0.254	0.256	0.1768	6
7	0.5118	0.7158	0.8228	1.15	5.70	1.86	0.916	0.359	0.219	0.245	0.211	0.1688	7
8	0.5188	0.7198	0.8128	1.36	4.96	2.04	1.09	0.393	0.208	0.260	0.237	0.1858	8
9	0.5128	0.7088	0.8208	1.70	4.71	1.89	0.971	0.365	0.220	0.243	0.228	0.1888	9
10	0.5238	0.7208	0.7998	1.68	4.51	1.91	0.913	0.361	0.195	0.184	0.233	0.1868	10
11	0.5278	0.7208	0.8208	1.97	5.09	1.61	0.863	0.374	0.207	0.218	0.2318	0.1858	11
12	0.5388	0.7198	0.8358	2.13	4.96	1.59	0.885	0.278	0.203	0.233	0.2268	0.1578	12
13	0.5668	0.7288	0.8338	2.26	4.51	1.44	0.862	0.292	0.221	0.233	0.2268	0.1488	13
14	0.5828	0.7278	0.8708	2.27	4.88	1.40	0.891	0.276	0.233	0.265	0.2258	0.1378	14
15	0.5738	0.7398	0.8488	2.34	4.80	1.52	0.771	0.283	0.200	0.206	0.2288	0.1288	15
16	0.5918	0.7338	0.8488	2.48	4.65	1.42	0.731	0.295	0.201	0.196	0.2218	0.1218	16
17	0.5988	0.7048	0.8358	2.51	4.20	1.44	0.620	0.290	0.140	0.240	0.2188	0.1118	17
18	0.6008	0.7238	0.8168	2.80	3.82	1.53	0.705	0.265	0.135	0.248	0.2218	0.1028	18
19	0.6188	0.7338	0.8028	2.84	4.00	1.45	0.680	0.275	0.206	0.249	0.2188	0.0938	19
20	0.6218	0.7348	0.7938	2.83	3.92	1.15	0.685	0.258	0.264	0.229	0.2168	0.0858	20
21	0.6198	0.7488	0.7678	2.93	3.78	0.958	0.640	0.204	0.288	0.228	0.2128	0.0828	21
22	0.6088	0.7508	0.7808	3.09	3.67	0.936	0.600	0.233	0.280	0.227	0.2108	0.0778	22
23	0.6118	0.7858	0.7958	3.24	3.70	0.956	0.648	0.227	0.273	0.204	0.2068	0.0738	23
24	0.6288	0.7818	0.7838	3.28	3.67	0.838	0.843	0.234	0.258	0.193	0.2008	0.0682	24
25	0.6338	0.7628	0.7888	3.21	3.72	1.01	0.883	0.207	0.281	0.188	0.1938	0.0638	25
26	0.6588	0.7678	0.7888	3.34	3.38	1.02	0.808	0.198	0.278	0.207	0.1888	0.0578	26
27	0.6688	0.7518	0.7488	3.83	3.08	1.01	0.480	0.188	0.204	0.206	0.1828	0.0538	27
28	0.6788	0.7788	0.7508	4.13	3.21	1.00	0.518	0.198	0.213	0.219	0.1778	0.0508	28
29	0.6898		0.7598	4.37	2.98	0.987	0.557	0.183	0.248	0.223	0.1728	0.0468	29
30	0.6418		0.747	4.45	2.95	0.970	0.537	0.178	0.250	0.222	0.1718	0.0448	30
31	0.6388		0.788		2.77		0.550	0.161		0.218		0.0418	31
TOTAL	17.942	20.330	24.744	70.905	130.28	45.995	23.873	9.498	6.195	6.983	6.684	3.606	TOTAL
MEAN	0.578	0.726	0.798	2.36	4.20	1.53	0.770	0.306	0.207	0.225	0.223	0.116	MEAN
MAX	0.678	0.778	0.870	4.45	5.70	2.51	1.13	0.554	0.280	0.265	0.386	0.180	MAX
MIN	0.498	0.684	0.748	0.767	2.77	0.935	0.480	0.161	0.090	0.184	0.171	0.041	MIN

SUMMARY FOR THE YEAR 1983

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.01
MAXIMUM DAILY, 5.70 ON MAY 7
MINIMUM DAILY, 0.0418 ON DEC 31
MAXIMUM INSTANTANEOUS,
7.12 AT 16:48 CST ON MAY 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 08 10 N
LONG 108 23 40 W
DRAINAGE AREA, 3 340 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 550	JUL	2 060
FEB	1 760	AUG	821
MAR	2 140	SEP	535
APR	6 130	OCT	603
MAY	11 300	NOV	577
JUN	3 970	DEC	312

TOTAL DISCHARGE, 31 800 dam³

MIDDLE CREEK ABOVE LODGE CREEK - STATION NO. 11AB006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0.008	0	0	0	0	0	0	0	---	1
2	---	---	0	0.015	0	0	0	0	0	0	0	---	2
3	---	---	0	0.012	0	0	0	0	0	0	---	---	3
4	---	---	0	0.005	0	0	0	0	0	0	---	---	4
5	---	---	0	0	0	0	0	0	0	0	---	---	5
6	---	---	0.027	0	0	0	0	0	0	0	---	---	6
7	---	---	0.022	0	0	0	0	0	0	0	---	---	7
8	---	---	0.021	0	0	0	0	0	0	0	---	---	8
9	---	---	0.014	0	0	0	0	0	0	0	---	---	9
10	---	---	0.018	0.038	0	0	0	0	0	0	---	---	10
11	---	---	0.033	0.025	0	0	0	0	0	0	---	---	11
12	---	---	0.038	0.002	0.021	0	0	0	0	0	---	---	12
13	---	---	0.024	0	0.077	0	0	0	0	0	---	---	13
14	---	---	0.039	0	0.040	0	0	0	0	0	---	---	14
15	---	---	0.022	0	0.016	0	0	0	0	0	---	---	15
16	---	---	0.018	0	0.037	0	0	0	0	0	---	---	16
17	---	---	0.006	0	0.106	0	0	0	0	0	---	---	17
18	---	---	0	0	0.074	0	0	0	0	0	---	---	18
19	---	---	0	0	0.043	0	0	0	0	0	---	---	19
20	---	---	0	0	0.033	0	0	0	0	0	---	---	20
21	---	---	0.001	0	0.029	0	0	0	0	0	---	---	21
22	---	---	0	0	0.011	0	0	0	0	0	---	---	22
23	---	---	0	0	0	0	0	0	0	0	---	---	23
24	---	0	0.002	0	0	0	0	0	0	0	---	---	24
25	---	0	0.028	0	0	0	0	0	0	0	---	---	25
26	---	0	0.018	0	0	0	0	0	0	0	---	---	26
27	---	0	0.011	0	0	0	0	0	0	0	---	---	27
28	---	0	0.006	0	0	0	0	0	0	0	---	---	28
29	---		0.002	0	0	0	0	0	0	0	---	---	29
30	---		0.002	0	0	0	0	0	0	0	---	---	30
31	---		---		0		0	0		0		---	31
TOTAL	---	---	---	0.093	0.487	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	---	0.003	0.016	0	0	0	0	0	---	---	MEAN
MAX	---	---	---	0.038	0.106	0	0	0	0	0	---	---	MAX
MIN	---	---	---	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM INSTANTANEOUS,
0.119 AT 00:35 CST ON MAY 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 06 01 N
LONG 109 49 02 W
DRAINAGE AREA, 717 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	---	SEP	0
APR	8.04	OCT	0
MAY	42.1	NOV	---
JUN	0	DEC	---

MIDDLE CREEK BELOW MIDDLE CREEK RESERVOIR - STATION NO. 11AB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0.314	0	0	0	0	0	---	---	1
2	---	---	0	0	0.383	0	0	0	0	0	---	---	2
3	---	---	0	0	0.309	0	0	0	0	0	---	---	3
4	---	---	0	0	0.259	0	0	0	0	0	---	---	4
5	---	---	0	0	0.107	0	0	0	0	0	---	---	5
6	---	---	0	0	0.014	0	0	0	0	0	---	---	6
7	---	---	0	0	0.004	0	0	0	0	0	---	---	7
8	---	---	0	0	0.002	0	0	0	0	0	---	---	8
9	---	---	0	0	0.001	0	0	0	0	0	---	---	9
10	---	---	0	0	0.003	0	0	0	0	0	---	---	10
11	---	---	0	0	0.001	0	0	0	0	0	---	---	11
12	---	---	0	0	0	0	0	0	0	0	---	---	12
13	---	---	0	0	0	0	0	0	0	0	---	---	13
14	---	---	0	0	0	0	0	0	0	0	---	---	14
15	---	---	0	0	0	0	0	0	0	0	---	---	15
16	---	---	0	0	0	0	0	0	0	0	---	---	16
17	---	---	0	0	0	0	0	0	0	0	---	---	17
18	---	---	0	0	0	0	0	0	0	0	---	---	18
19	---	---	0	0	0	0	0	0	0	0	---	---	19
20	---	---	0	0	0	0	0	0	0	0	---	---	20
21	---	0	0	0	0	0	0	0	0	0	---	---	21
22	---	0	0	0	0	0	0	0	0	0	---	---	22
23	---	0	0	0	0	0	0	0	0	0	---	---	23
24	---	0	0	0	0	0	0	0	0	0	---	---	24
25	---	0	0	0	0	0	0	0	0	0	---	---	25
26	---	0	0	0.282	0	0	0	0	0	0	---	---	26
27	---	0	0	0.583	0	0	0	0	0	0	---	---	27
28	---	0	0	0.272	0	0	0	0	0	0	---	---	28
29	---		0	0.281	0	0	0	0	0	0	---	---	29
30	---		0	0.380	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	0	1.798	1.387	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.060	0.045	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0.583	0.383	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.013
MAXIMUM DAILY, 0.583 ON APR 27
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.946 AT 18:38 CST ON APR 26

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 24 44 N
LONG 109 55 06 W
DRAINAGE AREA, 385 km²

REGULATED SINCE 1937

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	165	OCT	0
MAY	121	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 276 dam³

MIDDLE CREEK NEAR COVENLOCK - STATION NO. 11AB108

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0388	0.047	0.091	0.030	0.001	0.003	0	0.001	0.018	---	1
2	---	---	0.0298	0.048	0.118	0.028	0.002	0.002	0	0.001	0.021A	---	2
3	---	---	0.0298	0.047	0.166	0.029	0.013	0.001	0	0	---	---	3
4	---	---	0.0558	0.043	0.281	0.031	0.525	0.001	0	0	---	---	4
5	---	---	0.0568	0.040	0.423	0.031	0.018	0.001	0	0	---	---	5
6	---	---	0.0508	0.038	0.453	0.030	0.015	0.001	0	0	---	---	6
7	---	---	0.0488	0.041	0.209	0.023	0.014	0.001	0	0	---	---	7
8	---	---	0.0458	0.038	0.177	0.022	0.016	0	0	0	---	---	8
9	---	---	0.0488	0.036	0.126	0.021	0.012	0	0	0	---	---	9
10	---	---	0.0708	0.033	0.124	0.019	0.044	0	0	0	---	---	10
11	---	---	0.0928	0.031	0.125	0.021	0.092	0	0	0.001	---	---	11
12	---	---	0.0948	0.026	0.111	0.022	0.141	0	0	0.002	---	---	12
13	---	---	0.087	0.025	0.100	0.021	0.083	0	0	0.003	---	---	13
14	---	---	0.126	0.025	0.088	0.019	0.037	0	0	0.004	---	---	14
15	---	---	0.149	0.020	0.085	0.014	0.031	0	0	0.005	---	---	15
16	---	---	0.134	0.176	0.091	0.010	0.028	0	0	0.008	---	---	16
17	---	---	0.092	0.220	0.075	0.008	0.029	0	0	0.007	---	---	17
18	---	---	0.087	0.081	0.071	0.009	0.030	0	0	0.011	---	---	18
19	---	---	0.053	0.026	0.065	0.008	0.024	0	0	0.014	---	---	19
20	---	---	0.062	0.020	0.087	0.008	0.021	0	0	0.012	---	---	20
21	---	---	0.034	0.022	0.083	0.004	0.127	0	0	0.013	---	---	21
22	---	---	0.037	0.030	0.077	0.004	0.087	0	0	0.015	---	---	22
23	---	---	0.043	0.030	0.070	0.003	0.022	0	0	0.017	---	---	23
24	---	0.0228	0.086	0.021	0.080	0.002	0.010	0	0	0.017	---	---	24
25	---	0.0278	0.058	0.038	0.083	0.002	0.018	0	0	0.017	---	---	25
26	---	0.0338	0.054	0.045	0.048	0.001	0.025	0.001	0	0.016	---	---	26
27	---	0.0388	0.068	0.038	0.039	0.001	0.008	0.001	0	0.017	---	---	27
28	---	0.0388	0.072	0.043	0.038	0.001	0.008	0.001	0	0.017	---	---	28
29	---		0.083	0.024	0.034	0.001	0.006	0.001	0.001	0.018	---	---	29
30	---		0.088	0.098	0.032	0.001	0.005	0	0.001	0.018	---	---	30
31	---		0.083		0.032		0.004	0		0.018		---	31
TOTAL	---	---	2.083	1.418	3.648	0.422	0.867	0.014	0.002	0.251	---	---	TOTAL
MEAN	---	---	0.067	0.047	0.118	0.014	0.031	0	0	0.008	---	---	MEAN
MAX	---	---	0.149	0.220	0.453	0.031	0.141	0.003	0.001	0.018	---	---	MAX
MIN	---	---	0.029	0.020	0.032	0.001	0.001	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.036
MAXIMUM DAILY, 0.453 ON MAY 6
MINIMUM DAILY, 0 ON AUG 8
MAXIMUM INSTANTANEOUS,
0.718 AT 22:52 CST ON MAY 5

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 13 42 N
LONG 109 46 57 W
DRAINAGE AREA, 885 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	83.5
FEB	---	AUG	1.21
MAR	180	SEP	0.17
APR	123	OCT	21.7
MAY	315	NOV	---
JUN	36.5	DEC	---

TOTAL DISCHARGE, 761 dam³

MIDDLE CREEK RESERVOIR - STATION NO. 11AB080

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1028.514	1028.545	1028.184	1028.098	1028.024	1027.927E	1027.780	1027.644	1027.573A	---	1
2	---	---	1028.522	1028.547	1028.148	1028.097	1028.038	1027.916A	1027.773	1027.641	---	---	2
3	---	---	1028.528	1028.548	1028.136	1028.086	1028.027	1027.911	1027.740	1027.642	---	---	3
4	---	---	1028.528	1028.547	1028.129	1028.080	1028.030	1027.899	1027.736	1027.634	---	---	4
5	---	---	1028.530	1028.547	1028.120	1028.066	1028.027	1027.891	1027.728	1027.638	---	---	5
6	---	---	1028.530	1028.548	1028.115	1028.091	1028.024	1027.891	1027.726	1027.628	---	---	6
7	---	---	1028.530	1028.548	1028.128	1028.073	1028.018	1027.866	1027.726	1027.629	---	---	7
8	---	---	1028.528	1028.550	1028.122	1028.083	1028.014	1027.863	1027.706	1027.628	---	---	8
9	---	---	1028.530	1028.550	1028.083	1028.088	1028.004	1027.862	1027.722	1027.626	---	---	9
10	---	---	1028.532	1028.551	1028.111	1028.082	1028.005	1027.860	1027.715	1027.620	---	---	10
11	---	---	1028.534	1028.558	1028.130	1028.074	1028.039	1027.857	1027.704	1027.621	---	---	11
12	---	---	1028.548	1028.556	1028.113	1028.074	1028.042	1027.856	1027.705	1027.624	---	---	12
13	---	---	1028.550	1028.557	1028.131	1028.071	1028.027	1027.852	1027.694	1027.622	---	---	13
14	---	---	1028.553	1028.550	1028.122	1028.058	1028.023	1027.849	1027.688	1027.619	---	---	14
15	---	---	1028.556	1028.523	1028.123	1028.057	1028.020	1027.841	1027.693	1027.612	---	---	15
16	---	---	1028.553	1028.490	1028.132	1028.053	1028.015	1027.839	1027.700	1027.610	---	---	16
17	---	---	1028.553	1028.458	1028.145	1028.051	1028.002	1027.828	1027.681	1027.606	---	---	17
18	---	---	1028.553	1028.428	1028.145	1028.073	1028.001	1027.800	1027.678	1027.602	---	---	18
19	---	---	1028.550	1028.398	1028.162	1028.077	1028.000	1027.810	1027.667	1027.605	---	---	19
20	---	---	1028.548	1028.360	1028.170	1028.058	1027.999	1027.788	1027.681	1027.601	---	---	20
21	---	1028.508A	1028.550	1028.317	1028.183	1028.038	1028.005	1027.790	1027.672	1027.603	---	---	21
22	---	1028.508	1028.551	1028.307	1028.183	1028.037	1027.989	1027.783	1027.677	1027.616	---	---	22
23	---	1028.508	1028.549	1028.306	1028.154	1028.025	1027.983	1027.758	1027.674	1027.606	---	---	23
24	---	1028.508	1028.551	1028.303	1028.147	1028.029	1027.981	1027.785	1027.664	1027.612	---	---	24
25	---	1028.509	1028.550	1028.301	1028.155	1028.024	1027.981	1027.785	1027.658	1027.603	---	---	25
26	---	1028.509	1028.549	1028.284	1028.147	1027.998	1027.990A	1027.780	1027.658	1027.602	---	---	26
27	---	1028.510	1028.551	1028.280	1028.108	1027.998	1027.980E	1027.774	1027.628	1027.595	---	---	27
28	---	1028.510	1028.553	1028.241	1028.128	1028.010	1027.969E	1027.768	1027.637	1027.592	---	---	28
29	---		1028.552	1028.220	1028.116	1028.017	1027.959E	1027.765	1027.625	1027.593	---	---	29
30	---		1028.552	1028.193	1028.103	1028.024	1027.946E	1027.760	1027.633	1027.591	---	---	30
31	---		1028.548		1028.103		1027.937E	1027.762		1027.598		---	31
MEAN	---	---	1028.543	1028.437	1028.133	1028.057	1028.003	1027.831	1027.692	1027.615	---	---	MEAN
MAX	---	---	1028.556	1028.561	1028.170	1028.098	1028.042	1027.927	1027.773	1027.644	---	---	MAX
MIN	---	---	1028.514	1028.193	1028.083	1027.998	1027.937	1027.760	1027.625	1027.591	---	---	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 24 22 N
LONG 109 59 02 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

MAXIMUM DAILY, 1028.561 ON APR 10

MAXIMUM INSTANTANEOUS,
1028.585 AT 11:33 CST ON APR 10

WATER LEVELS ARE REFERRED TO PRAIRIE FARM REHABILITATION ADMINISTRATION DATUM

MIDDLE CREEK RESERVOIR BEDFORD OUTLET - STATION NO 11AB114

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0	0	0	0	---	---	1
2	---	---	0	0	0	0	0	0	0	0	---	---	2
3	---	---	0	0	0	0	0	0	0	0	---	---	3
4	---	---	0	0	0	0	0	0	0	0	---	---	4
5	---	---	0	0	0	0	0	0	0	0	---	---	5
6	---	---	0	0	0	0	0	0	0	0	---	---	6
7	---	---	0	0	0	0	0	0	0	0	---	---	7
8	---	---	0	0	0	0	0	0	0	0	---	---	8
9	---	---	0	0	0	0	0	0	0	0	---	---	9
10	---	---	0	0	0	0	0	0	0	0	---	---	10
11	---	---	0	0	0	0	0	0	0	0	---	---	11
12	---	---	0	0	0	0	0	0	0	0	---	---	12
13	---	---	0	0	0	0	0	0	0	0	---	---	13
14	---	---	0	0	0	0	0	0	0	0	---	---	14
15	---	---	0	0	0	0	0	0	0	0	---	---	15
16	---	---	0	0	0	0	0	0	0	0	---	---	16
17	---	---	0	0	0	0	0	0	0	0	---	---	17
18	---	---	0	0	0	0	0	0	0	0	---	---	18
19	---	---	0	0	0	0	0	0	0	0	---	---	19
20	---	---	0	0	0	0	0	0	0	0	---	---	20
21	---	---	0	0	0	0	0	0	0	0	---	---	21
22	---	---	0	0	0	0	0	0	0	0	---	---	22
23	---	---	0	0	0	0	0	0	0	0	---	---	23
24	---	---	0	0	0	0	0	0	0	0	---	---	24
25	---	---	0	0	0	0	0	0	0	0	---	---	25
26	---	---	0	0	0	0	0	0	0	0	---	---	26
27	---	---	0	0	0	0	0	0	0	0	---	---	27
28	---	---	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	0	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0 ON MAR 1
MINIMUM DAILY, 0 ON MAR 1

TYPE OF GAUGE -
LOCATION - LAT 49 23 04 N
LONG 109 58 28 W

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 0 dam^3

MIDDLE CREEK RESERVOIR FLOOD SPILLWAY - STATION NO 11AB115

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0	0	0	0	---	---	1
2	---	---	0	0	0	0	0	0	0	0	---	---	2
3	---	---	0	0	0	0	0	0	0	0	---	---	3
4	---	---	0	0	0	0	0	0	0	0	---	---	4
5	---	---	0	0	0	0	0	0	0	0	---	---	5
6	---	---	0	0	0	0	0	0	0	0	---	---	6
7	---	---	0	0	0	0	0	0	0	0	---	---	7
8	---	---	0	0	0	0	0	0	0	0	---	---	8
9	---	---	0	0	0	0	0	0	0	0	---	---	9
10	---	---	0	0	0	0	0	0	0	0	---	---	10
11	---	---	0	0	0	0	0	0	0	0	---	---	11
12	---	---	0	0	0	0	0	0	0	0	---	---	12
13	---	---	0	0	0	0	0	0	0	0	---	---	13
14	---	---	0	0	0	0	0	0	0	0	---	---	14
15	---	---	0	0	0	0	0	0	0	0	---	---	15
16	---	---	0	0	0	0	0	0	0	0	---	---	16
17	---	---	0	0	0	0	0	0	0	0	---	---	17
18	---	---	0	0	0	0	0	0	0	0	---	---	18
19	---	---	0	0	0	0	0	0	0	0	---	---	19
20	---	---	0	0	0	0	0	0	0	0	---	---	20
21	---	---	0	0	0	0	0	0	0	0	---	---	21
22	---	---	0	0	0	0	0	0	0	0	---	---	22
23	---	---	0	0	0	0	0	0	0	0	---	---	23
24	---	---	0	0	0	0	0	0	0	0	---	---	24
25	---	---	0	0	0	0	0	0	0	0	---	---	25
26	---	0	0	0	0	0	0	0	0	0	---	---	26
27	---	0	0	0	0	0	0	0	0	0	---	---	27
28	---	0	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	0	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0 ON MAR 1
MINIMUM DAILY, 0 ON MAR 1

TYPE OF GAUGE -
LOCATION - LAT 49 23 02 N
LONG 109 59 55 W

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 0 dam³

MIDDLE CREEK RESERVOIR MAIN OUTLET - STATION NO 11AB113

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0.784	0	0	0	0	0	---	---	1
2	---	---	0	0	0.880	0	0	0	0	0	---	---	2
3	---	---	0	0	0.148	0	0	0	0	0	---	---	3
4	---	---	0	0	0	0	0	0	0	0	---	---	4
5	---	---	0	0	0	0	0	0	0	0	---	---	5
6	---	---	0	0	0	0	0	0	0	0	---	---	6
7	---	---	0	0	0	0	0	0	0	0	---	---	7
8	---	---	0	0	0	0	0	0	0	0	---	---	8
9	---	---	0	0	0	0	0	0	0	0	---	---	9
10	---	---	0	0	0	0	0	0	0	0	---	---	10
11	---	---	0	0	0	0	0	0	0	0.004	---	---	11
12	---	---	0	0	0	0	0	0	0	0.110	---	---	12
13	---	---	0	0	0	0	0	0	0	0.185	---	---	13
14	---	---	0	0.802	0	0	0	0	0	0.185	---	---	14
15	---	---	0	1.81	0	0	0	0	0	0.184	---	---	15
16	---	---	0	1.59	0	0	0	0	0	0.184	---	---	16
17	---	---	0	1.86	0	0	0	0	0	0.063	---	---	17
18	---	---	0	1.87	0	0	0	0	0	0.026	---	---	18
19	---	---	0	1.86	0	0	0	0	0	0.026	---	---	19
20	---	---	0	1.83	0	0	0	0	0	0.026	---	---	20
21	---	---	0	1.14	0	0	0	0	0	0.017	---	---	21
22	---	---	0	0	0	0	0	0	0	0	---	---	22
23	---	---	0	0	0	0	0	0	0	0	---	---	23
24	---	---	0	0	0	0	0	0	0	0	---	---	24
25	---	---	0	0.472	0	0	0	0	0	0	---	---	25
26	---	---	0	0.598	0	0	0	0	0	0	---	---	26
27	---	---	0	0.516	0	0	0	0	0	0	---	---	27
28	---	---	0	0.795	0	0	0	0	0	0	---	---	28
29	---		0	0.784	0	0	0	0	0	0	---	---	29
30	---		0	0.787	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	0	15.334	1.813	0	0	0	0	0.947	---	---	TOTAL
MEAN	---	---	0	0.511	0.060	0	0	0	0	0.031	---	---	MEAN
MAX	---	---	0	1.81	0.784	0	0	0	0	0.185	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.073
MAXIMUM DAILY, 1.81 ON APR 15
MINIMUM DAILY, 0 ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 24 15 N
LONG 109 59 00 W

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	1 330	OCT	81.8
MAY	131	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 1 530 dam³

MIDDLE FORK POPLAR RIVER AT INTERNATIONAL BOUNDARY - STATION NO. 11AE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.4638	0.3988	0.244	0.150	0.010	0.005	0.001	0.007	---	---	1
2	---	---	0.4818	1.42 B	0.244	0.142	0.010	0.005	0.002	0.005	---	---	2
3	---	---	0.5108	1.70 B	0.244	0.130	0.009	0.004	0.001	0.005	---	---	3
4	---	---	0.4818	1.13 B	0.238	0.118	0.007	0.003	0.002	0.005	---	---	4
5	---	---	0.4288	0.8508	0.235	0.108	0.007	0.002	0.003	0.003	---	---	5
6	---	---	0.3408	0.7088	0.235	0.091	0.006	0.002	0.001	0.003	---	---	6
7	---	---	0.2558	0.536	0.224	0.085	0.006	0.001	0.001	0.003	---	---	7
8	---	---	0.2128	0.426	0.218	0.078	0.005	0.001	0.001	0.003	---	---	8
9	---	---	0.1708	0.340	0.227	0.085	0.005	0.001	0.004	0.003	---	---	9
10	---	---	0.1428	0.311	0.276	0.054	0.022	0.001	0.002	0.006	---	---	10
11	---	---	0.1428	0.311	0.283	0.045	0.018	0.001	0.002	0.003	---	---	11
12	---	---	0.1988	0.272	0.340	0.058	0.014	0.001	0.001	0.003	---	---	12
13	---	---	0.2838	0.255	0.425	0.068	0.009	0.001	0.001	0.003	---	---	13
14	---	---	0.3408	0.255	0.708	0.054	0.082	0.001	0.002	0.016	---	---	14
15	---	---	0.3888	0.255	0.934	0.048	0.058	0.001	0.002	0.025	---	---	15
16	---	---	0.3968	0.249	1.47	0.037	0.057	0.001	0.001	0.034	---	---	16
17	---	---	0.4258	0.249	1.10	0.037	0.037	0.001	0.002	0.034	---	---	17
18	---	---	0.4538	0.263	0.821	0.034	0.034	0.001	0.001	0.037	---	---	18
19	---	---	0.4538	0.278	0.765	0.028	0.043	0.001	0.001	0.040	---	---	19
20	---	---	0.4258	0.280	0.708	0.025	0.037	0.001	0.001	0.045	---	---	20
21	---	---	0.3968	0.283	0.823	0.023	0.027	0.001	0.001	0.048	---	---	21
22	---	---	0.3408	0.283	0.510	0.021	0.021	0.000	0.002	0.051	---	---	22
23	---	---	0.3118	0.283	0.425	0.020	0.014	0.005	0.002	0.057	---	---	23
24	---	---	0.2838	0.283	0.368	0.017	0.011	0.002	0.002	0.057	---	---	24
25	---	---	0.2558	0.283	0.311	0.010	0.012	0.002	0.002	0.057	---	---	25
26	---	---	0.2278	0.283	0.269	0.013	0.023	0.002	0.002	0.058	---	---	26
27	---	---	0.2278	0.283	0.229	0.012	0.009	0.001	0.003	0.062	---	---	27
28	---	---	0.2558	0.275	0.204	0.009	0.006	0.001	0.003	0.058	---	---	28
29	---	---	0.2688	0.261	0.170	0.014	0.007	0.001	0.004	0.058	---	---	29
30	---	---	0.4258	0.249	0.150	0.014	0.006	0.001	0.004	0.055	---	---	30
31	---	---	0.3968		0.150		0.005	0.001		0.055	---	---	31
TOTAL	---	---	10.435	13.378	13.350	1.806	0.808	0.081	0.082	0.934	---	---	TOTAL
MEAN	---	---	0.337	0.443	0.431	0.064	0.030	0.002	0.002	0.030	---	---	MEAN
MAX	---	---	0.510	1.70	1.47	0.150	0.082	0.009	0.004	0.055	---	---	MAX
MIN	---	---	0.142	0.249	0.150	0.008	0.005	0.001	0.001	0.003	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.188
MAXIMUM DAILY, 1.708 ON APR 3
MINIMUM DAILY, 0.001 ON AUG 7

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 59 30 N
LONG 105 41 40 W
DRAINAGE AREA, 927 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	62.5
FEB	---	AUG	5.27
MAR	982	SEP	5.35
APR	1 150	OCT	79.8
MAY	1 150	NOV	---
JUN	139	DEC	---

TOTAL DISCHARGE, 3 480 dam³

MILLIGAN CREEK NEAR WADENA - STATION NO. 05MA023

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0	0 B	1.18	0.334	0.097	2.07	0.237	0.098	0.120A	---	1
2	---	---	0.0	0 B	1.12	0.324	0.077	2.18	0.213	0.101	---	---	2
3	---	---	0.0	0 B	1.01	0.310	0.090	2.26	0.184	0.116	---	---	3
4	---	---	0.0	0 B	0.929	0.297	0.082	2.38	0.175	0.129	---	---	4
5	---	---	0.0	0 B	0.871	0.299	0.086	2.43	0.162	0.133	---	---	5
6	---	---	0.0	0 B	0.798	0.283	0.110	2.44	0.159	0.119	---	---	6
7	---	---	0.0	0 B	0.714	0.266	0.136	2.40	0.137	0.114	---	---	7
8	---	---	0.0	0 B	0.655	0.254	0.161	2.18	0.133	0.099	---	---	8
9	---	---	0.0	0 B	0.645	0.296	0.461	2.04	0.139	0.102	---	---	9
10	---	---	0.0	0 B	0.602	0.328	0.795	1.92	0.147	0.107	---	---	10
11	---	---	0.0	0 B	0.712	0.301	1.02	1.78	0.130	0.102	---	---	11
12	---	---	0.0	0 B	0.882	0.302	1.21	1.70	0.125	0.103	---	---	12
13	---	---	0.0	0 B	0.882	0.186	0.761	1.64	0.114	0.101	---	---	13
14	---	---	0.0	0 B	0.731	0.175	0.639	1.68	0.102	0.102	---	---	14
15	---	---	0.0	0 B	0.724	0.172	1.15	1.92	0.108	0.115	---	---	15
16	---	---	0.0	0 B	0.884	0.158	1.58	1.37	0.119	0.135	---	---	16
17	---	---	0.0	0 B	0.852	0.141	1.48	1.28	0.122	0.136	---	---	17
18	---	---	0.0	0.0128	0.830	0.128	1.27	1.15	0.129	0.141	---	---	18
19	---	---	0.0	0.8508	0.809	0.128	1.16	0.985	0.128	0.137	---	---	19
20	---	---	0.0	1.92 B	0.823	0.139	1.08	0.821	0.127	0.135	---	---	20
21	---	---	0.0	2.30 B	0.886	0.139	2.35	0.709	0.125	0.132	---	---	21
22	---	---	0.0	1.87	0.877	0.099	2.52	0.618	0.125	0.139	---	---	22
23	---	---	0.0	1.48	0.886	0.093	2.14	0.551	0.129	0.126	---	---	23
24	---	---	0.0	1.17	0.813	0.083	1.85	0.487	0.134	0.114	---	---	24
25	---	---	0.0	0.991	0.823	0.103	1.75	0.456	0.140	0.110	---	---	25
26	---	---	0.0	1.31	0.481	0.081	2.25	0.401	0.137	0.111	---	---	26
27	---	---	0.0	1.36	0.428	0.080	2.35	0.357	0.132	0.113	---	---	27
28	---	---	0.0	1.33	0.385	0.074	2.09	0.317	0.126	0.108	---	---	28
29	---	---	0.0	1.26	0.357	0.082	1.91	0.294	0.120	0.113	---	---	29
30	---	---	0.0	1.27	0.335	0.086	1.91	0.276	0.111	0.121	---	---	30
31	---	---	0.0		0.329		1.93	0.257		0.149		---	31
TOTAL	---	---	0	18.880	20.676	5.396	36.468	40.824	4.170	3.853	---	---	TOTAL
MEAN	---	---	0	0.583	0.667	0.180	1.18	1.32	0.139	0.118	---	---	MEAN
MAX	---	---	0	2.30	1.18	0.334	2.52	2.44	0.237	0.149	---	---	MAX
MIN	---	---	0	0	0.329	0.080	0.077	0.257	0.102	0.098	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.523
MAXIMUM DAILY, 2.52 ON JUL 23
MINIMUM DAILY, 0.0 ON MAR 1
MAXIMUM INSTANTANEOUS,
3.70 AT 01:00 CST ON APR 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 51 10 N
LONG 103 46 07 W
DRAINAGE AREA, 1 430 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 180
FEB	---	AUG	3 630
MAR	0	SEP	360
APR	1 490	OCT	318
MAY	1 790	NOV	---
JUN	488	DEC	---

TOTAL DISCHARGE, 11 100 dam³

MONNERY RIVER NEAR PARADISE HILL - STATION NO. 06EF004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.2278	0.247E	0.488	0.272	1.01	0.322	0.178	0.046	0.373A	---	1
2	---	---	0.2278	0.204E	0.481	0.258	0.777	0.190	0.212	0.112	---	---	2
3	---	---	0.2278	0.210E	0.398	0.228	0.767	0.186	0.188	0.185	---	---	3
4	---	---	0.2278	0.500E	0.403	0.227	0.688	0.324	0.178	0.209	---	---	4
5	---	---	0.2278	0.620E	0.355	0.227	0.676	0.227	0.328	0.238	---	---	5
6	---	---	0.2278	1.25 E	0.357	0.222	0.698	0.172	0.287	0.251	---	---	6
7	---	---	0.2278	1.48	0.453	0.176	0.709	0.083	0.247	0.288	---	---	7
8	---	---	0.2278	1.37	0.506	0.138	0.638	0.071	0.328	0.240	---	---	8
9	---	---	0.2278	1.12	0.517	0.174	0.578	0.084	0.445	0.288	---	---	9
10	---	---	0.2278	0.648A	0.458	0.258	0.548	0.055	0.617	0.280	---	---	10
11	---	---	0.2278	0.781E	0.407	0.288	0.523	0.082	0.488	0.241	---	---	11
12	---	---	0.2278	0.624A	0.388	0.443	0.678	0.094	0.343	0.217	---	---	12
13	---	---	0.2288	0.592	0.373	0.519	0.768	0.071	0.198	0.228	---	---	13
14	---	---	0.2288	0.655	0.375	0.338	0.585	0.037	0.098	0.203	---	---	14
15	---	---	0.2308	0.602	0.383	0.280	0.441	0.004	0.143	0.223	---	---	15
16	---	---	0.2308	0.641	0.384	0.522	0.324	0.003	0.230	0.251	---	---	16
17	---	---	0.2308	0.648	0.335	0.370	0.284	0.025	0.415	0.320	---	---	17
18	---	---	0.2308	0.643	0.288	0.231	0.334	0.033	0.527	0.296	---	---	18
19	---	---	0.2308	0.627	0.248	0.188	0.336	0.058	0.442	0.321	---	---	19
20	---	---	0.2308	0.630	0.325	0.197	0.378	0.014	0.488	0.298	---	---	20
21	---	---	0.2308	0.610	0.414	0.372	0.250	0.008	0.834	0.312	---	---	21
22	---	---	0.2308	0.621	0.408	0.847	0.218	0.023	0.671	0.235	---	---	22
23	---	---	0.2318	0.621	0.370	0.227	0.180	0.088	0.483	0.284	---	---	23
24	---	---	0.2318	0.626	0.436	0.203	0.272	0.127	0.282	0.148	---	---	24
25	---	---	0.2318	0.630	0.436	0.428	0.312	0.218	0.182	0.214	---	---	25
26	---	---	0.2328	0.642	0.370	0.582	0.243	0.243	0.127	0.350	---	---	26
27	---	---	0.2328	0.633	0.330	0.426	0.211	0.188	0.020	0.311	---	---	27
28	---	---	0.2328	0.584	0.323	0.402	0.191	0.147	0.080	0.237	---	---	28
29	---		0.2388	0.478	0.308	0.408	0.183	0.188	0.098	0.221	---	---	29
30	---		0.2378	0.413	0.278	1.07	0.160	0.181	0.014	0.271	---	---	30
31	---		0.2408		0.275		0.178	0.133		0.224		---	31
TOTAL	---	---	7.122	20.489	11.783	10.470	14.185	3.484	8 911	7.000	---	---	TOTAL
MEAN	---	---	0.230	0.682	0.380	0.349	0.458	0.112	0.287	0.239	---	---	MEAN
MAX	---	---	0.240	1.48	0.517	1.07	1.01	0.324	0.834	0.350	---	---	MAX
MIN	---	---	0.227	0.247	0.248	0.138	0.160	0.002	0.005	0.048	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.342
MAXIMUM DAILY, 1.48 ON APR 7
MINIMUM DAILY, 0.002 ON AUG 16
MAXIMUM INSTANTANEOUS,
1.99 AT 13:15 CST ON JUN 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 32 28 N
LONG 109 31 38 W
DRAINAGE AREA, 875 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 330
FEB	---	AUG	301
MAR	615	SEP	770
APR	1 770	OCT	839
MAY	1 020	NOV	---
JUN	905	DEC	---

TOTAL DISCHARGE, 7 250 dam³

REMARKS - THE MAXIMUM INSTANTANEOUS DISCHARGE OCCURRED BECAUSE OF REMOVAL OF A LARGE BEAVER DAM

MONTREAL LAKE NEAR WEYAKWIN - STATION NO. 05CA005

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	490.457	490.483	490.458	490.458	490.498	490.577	490.612	490.620	490.500	490.504	490.448	490.452E	1
2	490.464	490.481	490.464	490.458	490.501	490.524	490.606	490.618	490.504	490.497	490.478	490.452E	2
3	490.468	490.480	490.462	490.457	490.504	490.541	490.588	490.620	490.497	490.492	490.478	490.452E	3
4	490.469	490.488	490.466	490.456	490.508	490.524	490.597	490.602	490.483	490.481	490.480	490.452E	4
5	490.462	490.480	490.485	490.455	490.510	490.525	490.630	490.611	490.472	490.486	490.480	490.456E	5
6	490.459	490.483	490.486	490.452	490.513	490.516	490.618	490.606	490.477	490.474	490.486	490.456E	6
7	490.462	490.481	490.488	490.447	490.516	490.512	490.587	490.586	490.486	490.482	490.410	490.456E	7
8	490.461	490.488	490.488	490.446	490.518	490.524	490.618	490.600	490.474	490.488	490.444	490.456E	8
9	490.459	490.480	490.470	490.444	490.525	490.529	490.622	490.593	490.488	490.483	490.448	490.458E	9
10	490.464	490.481	490.470	490.440	490.535	490.543	490.617	490.583	490.483	490.481	490.434	490.458E	10
11	490.464	490.481	490.470	490.450	490.531	490.548	490.622	490.590	490.488	490.488	490.488	490.458E	11
12	490.468	490.480	490.470	490.450	490.524	490.518	490.630	490.588	490.484	490.478	490.484	490.458E	12
13	490.462	490.480	490.485	490.451	490.528	490.514	490.628	490.583	490.480	490.478	490.444	490.458E	13
14	490.464	490.483	490.480	490.451	490.528	490.500	490.638	490.588	490.487	490.473	490.447	490.458A	14
15	490.466	490.482	490.480	490.451	490.524	490.529	490.634	490.636	490.487	490.484	490.454	490.458E	15
16	490.461	490.487	490.480	490.448	490.535	490.539	490.637	490.591	490.481	490.444	490.448A	490.458E	16
17	490.462	490.484	490.488	490.448	490.533	490.541	490.633	490.541	490.484	490.432	490.448E	490.458E	17
18	490.464	490.484	490.458	490.448	490.558	490.539	490.633	490.539	490.484	490.474	490.448E	490.458E	18
19	490.463	490.487	490.458	490.448	490.531	490.571	490.617	490.539	490.464	490.487	490.450E	490.458E	19
20	490.461	490.484	490.480	490.452	490.548	490.531	490.617	490.540	490.486	490.487	490.450E	490.458E	20
21	490.463	490.480	490.482	490.458	490.581	490.520	490.652	490.613	490.488	490.488	490.450E	490.458E	21
22	490.465	490.485	490.480	490.452	490.558	490.508	490.614	490.533	490.513	490.483	490.450E	490.458E	22
23	490.463	490.483	490.483	490.480	490.504	490.533	490.637	490.520	490.507	490.482	490.451E	490.458E	23
24	490.460	490.483	490.483	490.483	490.548	490.517	490.630	490.520	490.504	490.482	490.451E	490.458E	24
25	490.461	490.482	490.483	490.479	490.550	490.511	490.640	490.516	490.501	490.482	490.451E	490.457E	25
26	490.462	490.458	490.483	490.483	490.582	490.502	490.605	490.517	490.502	490.483	490.451E	490.457E	26
27	490.462	490.484	490.484	490.488	490.612	490.511	490.633	490.508	490.483	490.480	490.452E	490.457E	27
28	490.463	490.457	490.481	490.492	490.588	490.508	490.604	490.508	490.471	490.459	490.452E	490.457E	28
29	490.466		490.481	490.483	490.580	490.502	490.616	490.499	490.483	490.481	490.452E	490.457E	29
30	490.468		490.458	490.488	490.584	490.503	490.613	490.488	490.508	490.458	490.452E	490.457E	30
31	490.465		490.481		490.570		490.618	490.504		490.453		490.457E	31
MEAN	490.461	490.483	490.483	490.463	490.545	490.523	490.630	490.554	490.490	490.488	490.461	490.455	MEAN
MAX	490.468	490.483	490.470	490.488	490.612	490.571	490.652	490.620	490.513	490.504	490.478	490.457	MAX
MIN	490.454	490.454	490.458	490.440	490.498	490.577	490.587	490.488	490.464	490.444	490.410	490.453	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MEAN, 490.504
MAXIMUM DAILY, 490.671 ON JUN 19
MINIMUM DAILY, 490.408 ON SEP 17
MAXIMUM INSTANTANEOUS,
490.747 AT 00:57 CST ON JUN 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 25 54 N
LONG 105 43 33 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - THE MAXIMUM INSTANTANEOUS WATER LEVEL OCCURRED AS A RESULT OF WIND EFFECT

MONTREAL RIVER AT HIGHWAY NO. 2 - STATION NO. OSCA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	6.100	5.900	6.400	6.140	9.84	15.9	15.6	12.8	7.04	10.1	4.85	3.580	1
2	6.260	6.040	6.180	6.400	10.0	15.9	15.5	12.3	7.62	9.09	5.36	3.710	2
3	6.400	6.310	6.070	6.620	7.13	14.4	13.8	12.3	4.51	7.85	13.0	4.880	3
4	6.520	6.400	6.830	6.500	8.98	15.5	11.6	9.81	6.53	8.68	7.26	6.360	4
5	6.640	6.440	6.180	6.710	10.4	14.4	16.3	11.2	6.25	3.71	5.81	7.310	5
6	6.640	4.290	6.430	7.410	10.0	16.3	15.3	11.0	4.85	5.88	5.79	6.730	6
7	6.340	4.780	6.490	6.570	13.6	16.3	11.1	8.62	6.00	7.22	3.22	6.480	7
8	6.480	5.720	6.490	6.400	13.7	16.5	13.9	10.6	5.81	7.73	2.26	6.580	8
9	6.760	6.420	6.800	6.480	8.85	16.2	16.7	11.7	5.23	8.58	4.32	6.850	9
10	6.040	6.280	6.770	6.430	3.78	17.5	15.8	10.3	2.67	8.22	3.62	6.840	10
11	6.380	6.180	6.760	6.840	11.2	17.7	15.3	11.7	6.48	3.74	4.710	6.020	11
12	6.380	6.310	6.180	6.800	13.0	12.8	15.3	8.87	6.30	8.17	6.330	6.710	12
13	7.670	6.030	6.610	6.650	10.3	13.3	14.6	8.11	6.46	8.80	6.760	6.710	13
14	8.130	6.880	6.900	6.280	12.6	8.87	16.1	8.59	7.84	6.90	6.120	6.050	14
15	6.880	6.600	7.070	6.180	14.3	15.2	15.4	8.72	8.87	7.85	6.380	6.440	15
16	6.980	6.380	6.630	7.430	14.6	15.8	14.4	8.88	6.85	3.84	7.000	6.890	16
17	6.420	2.710	6.670	7.100	12.3	16.1	16.1	8.24	6.31	8.52	6.280	6.840	17
18	6.030	3.660	6.470	6.900	9.86	21.6	14.2	8.22	1.04	6.98	6.870	6.000	18
19	6.660	6.780	6.770	7.240	13.6	23.1	12.9	8.61	1.01	8.08	6.780	3.820	19
20	7.070	6.940	6.080	7.71	14.2	16.6	13.4	9.24	2.38	8.05	6.000	6.400	20
21	7.030	6.270	3.880	8.18	12.4	13.5	16.7	7.34	6.82	8.85	6.630	3.820	21
22	6.390	6.080	6.270	8.42	12.4	11.6	13.1	6.06	8.85	6.81	6.060	3.360	22
23	7.020	6.280	6.230	8.10	11.3	13.5	13.2	6.67	10.2	6.16	6.280	2.740	23
24	7.070	3.080	6.370	7.08	14.4	13.0	13.7	8.27	7.46	5.89	6.600	6.680	24
25	6.460	6.610	6.470	6.80	17.1	13.8	14.2	7.52	8.13	5.42	6.940	3.760	25
26	6.340	6.080	6.830	6.32	15.1	11.9	14.5	7.78	8.71	6.64	6.080	3.820	26
27	6.200	6.180	6.040	6.32	13.6	15.8	15.6	7.45	6.37	6.44	6.320	3.980	27
28	6.010	6.770	6.180	7.38	12.1	15.1	11.2	7.23	2.35	6.73	6.000	2.800	28
29	6.240		6.890	8.30	13.6	14.7	11.6	6.71	7.88	7.64	3.760	3.580	29
30	6.020		6.630	10.1	14.8	15.0	11.5	6.70	8.82	7.12	3.880	2.880	30
31	6.880		6.130		16.9		12.3	7.85		6.70		3.380	31
TOTAL	201.16	144.85	172.85	196.30	376.13	467.87	439.4	281.78	187.25	206.32	163.83	143.54	TOTAL
MEAN	6.49	6.17	6.57	6.61	12.2	15.6	14.2	9.09	6.24	6.66	5.46	4.63	MEAN
MAX	8.28	6.86	7.07	10.1	17.1	23.1	16.7	12.8	10.2	10.1	13.0	7.31	MAX
MIN	6.03	3.56	3.66	4.32	3.78	8.87	11.1	6.81	1.01	3.84	2.26	2.60	MIN

SUMMARY FOR THE YEAR 1983

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.18
MAXIMUM DAILY, 23.1 ON JUN 19
MINIMUM DAILY, 1.01 ON SEP 18
MAXIMUM INSTANTANEOUS,
32.4 AT 15:54 CST ON JUN 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 84 43 30 N
LONG 105 41 30 W
DRAINAGE AREA, 5 450 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	17 400	JUL	38 000
FEB	12 500	AUG	24 300
MAR	14 900	SEP	16 200
APR	17 100	OCT	17 800
MAY	32 700	NOV	14 200
JUN	40 400	DEC	12 400

TOTAL DISCHARGE, 258 000 dam³

MONTREAL RIVER AT OUTLET OF BIGSTONE LAKE - STATION NO. OSCA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	8.40	7.86	7.21	8.93	10.3	17.6	23.7	20.3	13.5	13.4	12.2	12.8	1
2	8.40	7.80	7.19	8.87	10.8	17.4	23.6	19.8	13.0	13.1	11.7	12.6	2
3	8.46	7.80	7.19	8.84	11.1	18.4	23.4	19.7	14.0	12.8	11.7	12.8	3
4	8.53	7.78	7.22	8.85	11.3	20.2	23.2	19.6	13.7	13.0	12.0	12.7	4
5	8.55	7.79	7.26	8.90	11.4	20.8	23.6	19.7	13.4	13.8	13.0	12.6	5
6	8.80	7.88	7.26	8.87	11.6	21.3	23.6	20.4	13.8	13.7	12.6	12.5	6
7	8.80	7.82	7.26	8.82	11.9	21.8	23.0	20.5	13.6	13.5	12.2	12.4	7
8	8.58	7.83	7.26	8.84	12.3	22.3	22.4	19.9	13.8	13.3	12.6	12.3	8
9	8.84	7.46	7.24	8.85	12.0	22.3	22.6	19.6	13.2	13.1	12.4	12.2	9
10	8.83	7.45	7.12	8.88	11.4	22.0	23.1	18.6	13.7	13.4	12.2	12.1	10
11	8.83	7.45	7.18	7.02	12.6	23.6	23.4	18.4	13.7	13.5	12.1	12.0	11
12	8.80	7.44	7.18	7.11	13.1	24.2	23.1	18.5	13.6	13.2	12.1	12.0	12
13	8.83	7.46	7.22	7.14	13.2	24.7	23.1	18.7	13.2	13.0	12.2	12.0	13
14	8.83	7.46	7.21	7.22	13.4	24.6	22.6	17.6	12.7	12.6	12.3	12.1	14
15	8.39	7.81	7.11	7.25	13.8	24.2	23.6	17.3	12.6	12.5	12.2	12.0	15
16	8.32	7.85	7.13	7.25	14.5	24.1	21.9	16.8	12.4	13.2	12.3	12.0	16
17	8.18	7.46	7.16	7.25	14.5	24.2	21.7	16.7	12.7	13.1	12.4	12.0	17
18	8.13	7.40	7.14	7.35	15.2	23.4	20.9	16.5	16.1	12.7	13.2	11.8	18
19	8.13	7.41	7.09	7.42	14.8	23.8	20.5	16.5	16.4	12.4	13.4	11.8	19
20	8.11	7.39	7.06	7.56	15.5	22.5	20.1	16.7	15.6	12.2	13.4	11.8	20
21	8.04	7.41	7.09	7.55	16.3	23.6	20.3	16.7	14.7	12.2	13.3	11.7	21
22	8.04	7.42	7.06	7.61	16.8	23.4	21.4	16.3	14.2	12.3	13.4	11.6	22
23	7.86	7.39	6.85	8.00	16.8	23.7	21.4	16.9	14.1	12.6	13.3	11.5	23
24	7.87	7.38	7.00	8.27	17.0	23.2	21.3	16.8	14.1	12.8	13.3	11.5	24
25	7.96	7.34	7.03	8.48	16.4	22.3	21.0	16.6	14.1	12.5	13.2	11.5	25
26	7.98	7.36	7.00	8.02	16.6	23.3	21.4	16.4	13.8	12.4	13.2	11.4	26
27	7.63	7.34	6.86	8.06	17.4	24.2	21.7	16.2	13.9	12.5	13.0	11.4	27
28	7.87	7.30	6.85	8.78	17.6	24.3	20.9	16.1	14.5	12.4	13.1	11.3	28
29	7.83		6.83	8.84	16.6	24.7	20.4	15.8	14.1	12.3	13.0	11.3	29
30	7.88		6.84	10.0	16.6	24.3	20.6	15.5	13.8	12.1	13.0	11.3	30
31	7.86		6.86		17.3		20.5	15.6		12.1		11.2	31
TOTAL	256.31	209.86	220.60	230.13	440.3	681.9	683.8	529.8	416.1	397.8	378.9	370.6	TOTAL
MEAN	8.27	7.50	7.12	7.87	14.2	22.7	22.0	17.1	13.9	12.8	12.7	12.0	MEAN
MAX	8.84	7.86	7.26	10.0	17.6	24.7	23.7	20.5	16.4	13.9	13.4	12.8	MAX
MIN	7.83	7.30	6.83	6.84	10.3	17.6	20.1	15.5	12.4	12.1	11.7	11.2	MIN

SUMMARY FOR THE YEAR 1983

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 13.2
MAXIMUM DAILY, 24.7 ON JUN 13
MINIMUM DAILY, 6.84 ON APR 3
MAXIMUM INSTANTANEOUS,
26.0 AT 16:42 CST ON JUL 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 84 44 40 N
LONG 105 21 50 W
DRAINAGE AREA, 7 280 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	22 100	JUL	59 000
FEB	18 100	AUG	45 800
MAR	19 100	SEP	38 000
APR	18 800	OCT	34 400
MAY	38 000	NOV	32 800
JUN	58 800	DEC	32 000

TOTAL DISCHARGE, 419 000 dam³

MOOSE JAW RIVER ABOVE THUNDER CREEK - STATION NO. 05JE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0.0238	0.4738	9.088	12.1	2.16	0.083	0.025	0 E	0	---	---	1
2	---	0.0238	0.4618	9.218	11.7	1.84	0.076	0.017	0 E	0	---	---	2
3	---	0.0238	0.3768	8.678	11.2	1.52	0.072	0.015	0 E	0	---	---	3
4	---	0.0238	0.3218	8.988	10.6	1.18	0.066	0.015	0 E	0	---	---	4
5	---	0.0238	0.2878	12.1 B	9.11	1.17	0.044	0.018	0 E	0	---	---	5
6	---	0.0238	0.1888	21.9 B	7.67	1.21	0.033	0.018	0 E	0	---	---	6
7	---	0.0238	0.0888	32.8 B	6.52	0.988	0.027	0.018	0 E	0	---	---	7
8	---	0.0238	0.0308	41.9 B	5.86	0.822	0.024	0.018	0 E	0	---	---	8
9	---	0.0238	0.0258	46.9 B	5.41A	0.735	0.021	0.013	0.004E	0	---	---	9
10	---	0.0238	0.0208	50.8	4.90	0.653	0.022	0.011	0.003E	0	---	---	10
11	---	0.0238	0.0088	48.8	4.44	0.536	0.026	0.010	0.002E	0	---	---	11
12	---	0.0238	0.0038	46.4	4.21	0.577	0.027	0.007E	0.010E	0	---	---	12
13	---	0.0238	3.85 B	45.0	4.26	0.521	0.028	0.005E	0.008E	0	---	---	13
14	---	0.0238	5.20 B	43.7	3.78	0.441	0.031	0.004E	0.008E	0	---	---	14
15	---	0.0238	3.90 B	42.8	4.00	0.404	0.038	0.003E	0.010E	0	---	---	15
16	---	0.0238	3.90 B	42.0	4.17	0.383	0.036	0.003A	0.008E	0	---	---	16
17	---	0.0238	3.77 B	40.9	4.81	0.314	0.020A	0.002E	0.008E	0	---	---	17
18	---	0.0238	3.42 B	38.1	5.27	0.236	0.026	0.002E	0.005E	0	---	---	18
19	---	0.0238	2.82 B	34.9	5.80	0.204	0.365	0.001E	0.004E	0	---	---	19
20	---	0.0238	2.81 B	31.6	5.89	0.157	0.127	0.001E	0.003E	0	---	---	20
21	---	0.0238	2.71 B	27.8	6.07	0.174	0.078	0.001E	0.003E	0	---	---	21
22	---	0.0238	2.90 B	24.3	6.88	0.184	0.048	0.001E	0.002E	0	---	---	22
23	---	0.0278	2.86 B	21.3	7.07	0.182	0.389	0 E	0.002E	0	---	---	23
24	---	0.0288	2.24 B	18.4	6.86	0.144	0.243	0 E	0.002E	0	---	---	24
25	---	0.0348	2.04 B	16.4	6.09	0.101	0.184	0 E	0.001E	0	---	---	25
26	---	0.1488	1.67 B	15.0	5.42	0.087	0.189	0 E	0.001E	0	---	---	26
27	---	0.4988	1.17 B	13.9	4.77	0.074	0.143	0 E	0.001E	0	---	---	27
28	---	0.5848	0.8508	13.4	4.00	0.070	0.127	0 E	0.001E	0	---	---	28
29	---		0.6658	12.8	3.41	0.075	0.082	0 E	0	0	---	---	29
30	---		2.40 B	12.4	2.89	0.080	0.066	0 E	0	0		---	30
31	---		7.02 B		2.55		0.039	0 E		0		---	31
TOTAL	---	1.806	58.885	830.10	187.15	17.212	2.891	0.203	0.082	0	---	---	TOTAL
MEAN	---	0.065	1.90	27.7	6.04	0.574	0.087	0.007	0.003	0	---	---	MEAN
MAX	---	0.584	7.02	50.8	12.1	2.14	0.365	0.026	0.010	0	---	---	MAX
MIN	---	0.023	0.025	8.67	2.55	0.070	0.020	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.47
MAXIMUM DAILY, 50.8 ON APR 10
MINIMUM DAILY, 0E ON AUG 23
MAXIMUM INSTANTANEOUS,
61.6 AT 02:00 CST ON APR 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 20 45 N
LONG 105 31 49 W
DRAINAGE AREA, 5 240 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	233
FEB	188	AUG	17.8
MAR	5 088	SEP	7.08
APR	71 700	OCT	0
MAY	16 200	NOV	---
JUN	1 480	DEC	---

TOTAL DISCHARGE, 94 700 dam³

MOOSE JAW RIVER NEAR BURDICK - STATION NO. 05JE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.2188	0.2008	0.4808	6.688	12.7	2.14	0.184	0.088	0.043	0.017	0.012	0.2088	1
2	0.2148	0.1938	0.4788	6.148	12.3	2.06	0.182	0.037	0.047	0.015	0.003	0.1788	2
3	0.2198	0.1928	0.4228	4.888	11.8	1.73	0.185	0.033	0.039	0.013	0.014	0.1608	3
4	0.2148	0.1888	0.3888	3.988	10.8	1.37	0.168	0.024	0.021	0.017	0.013	0.1448	4
5	0.2188	0.1828	0.3178	8.188	9.84	1.17	0.126	0.034	0.038	0.018	0.006	0.1388	5
6	0.2278	0.1778	0.2718	13.1 B	8.16	1.19	0.088	0.037	0.028	0.024	0.008	0.1388	6
7	0.2188	0.1768	0.2438	27.5 B	6.83	1.14	0.114	0.018	0.428	0.039	0.035	0.1368	7
8	0.2128	0.1688	0.2638	42.2 B	6.78	1.07	0.086	0.018	0.586	0.036	0.183	0.1338	8
9	0.2048	0.1888	0.2388	54.8	2.88	0.895	0.185	0.025	0.728	0.034	0.172	0.1488	9
10	0.1948	0.1888	0.2028	88.7	4.87	0.826	0.498	0.031	0.818	0.042	0.185	0.1408	10
11	0.2088	0.1838	0.5588	80.7	4.18	0.833	0.832	0.034	0.484	1.18	0.178	0.1388	11
12	0.2068	0.1808	1.88 B	67.8	4.02	1.02	0.884	0.028	0.402	0.575	0.212	0.1408	12
13	0.2068	0.1868	3.21 B	48.8	4.77	0.814	0.272	0.030	0.327	0.084	0.216	0.1368	13
14	0.2068	0.1978	3.87 B	44.3	4.87	0.848	0.133	0.038	0.267	0.028	0.213	0.1318	14
15	0.2068	0.2138	3.81 B	42.5	3.88	0.487	0.126	0.026	0.367	0.027	0.222	0.1288	15
16	0.2088	0.1978	4.48 B	42.4	3.78	0.838	0.180	0.032	0.230	0.020	0.438	0.1288	16
17	0.2068	0.1828	3.88 B	41.1	4.31	0.711	0.148	0.030	0.135	0.015	0.435	0.1128	17
18	0.2068	0.1688	3.86 B	38.8	4.80	0.626	0.109	0.030	0.174	0.014	0.425	0.1118	18
19	0.2068	0.1288	3.42 B	35.8	5.05	0.515	0.089	0.026	0.114	0.012	0.435	0.1158	19
20	0.2068	0.1818	2.88 B	31.2	5.20	0.393	0.812	0.027	0.883	0.012	0.447	0.1148	20
21	0.2068	0.1828	3.03 B	28.8	5.88	0.580	1.78	0.028	0.038	0.017	0.4528	0.1128	21
22	0.2068	0.2308	3.21 B	25.1	5.28	0.488	0.574	0.029	0.034	0.018	0.4838	0.1188	22
23	0.2048	0.2788	3.53 B	22.2	5.74	0.185	0.238	0.021	0.248	0.015	0.4828	0.1258	23
24	0.2048	0.2748	3.78 B	19.8	5.88	0.852	0.130	0.038	0.488	0.021	0.4818	0.1088	24
25	0.2048	0.2888	3.71 B	18.9	5.38	0.858	0.287	0.047	0.382	0.018	0.4388	0.1088	25
26	0.2028	0.3118	3.21 B	18.8	5.85	0.873	0.288	0.041	0.274	0.020	0.3888	0.1118	26
27	0.2028	0.2638	3.48 B	16.9	4.74	0.843	0.128	0.037	0.137	0.027	0.3388	0.1128	27
28	0.2028	0.2888	2.78 B	14.3	3.98	0.888	0.881	0.032	0.848	0.015	0.2988	0.1388	28
29	0.2028		2.87 B	13.8	3.34	0.883	0.882	0.036	0.821	0.012	0.2888	0.1398	29
30	0.2008		3.81 B	13.2	2.85	0.118	0.188	0.026	0.828	0.017	0.2128	0.1288	30
31	0.2008		6.11 B		2.52		0.887	0.888		0.018		0.1158	31
TOTAL	6.414	5.732	77.842	824.84	184.31	22.206	8.427	1.038	6.873	3.388	7.881	4.872	TOTAL
MEAN	0.207	0.205	2.51	27.5	5.95	0.740	0.272	0.034	0.229	0.877	0.255	0.131	MEAN
MAX	0.227	0.311	6.11	88.7	12.7	2.14	1.78	0.088	0.728	1.18	0.483	0.208	MAX
MIN	0.184	0.128	0.202	3.88	2.52	0.843	0.887	0.018	0.828	0.012	0.883	0.188	MIN

SUMMARY FOR THE YEAR 1983

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.15
MAXIMUM DAILY, 88.7 ON APR 10
MINIMUM DAILY, 0.883 ON NOV 3
MAXIMUM INSTANTANEOUS,
83.4 AT 02:47 CST ON APR 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 24 00 N
LONG 105 23 50 W
DRAINAGE AREA, 9 230 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	884	JUL	738
FEB	495	AUG	88.8
MAR	8 738	SEP	884
APR	71 300	OCT	307
MAY	16 900	NOV	882
JUN	1 828	DEC	382

TOTAL DISCHARGE, 99 400 dam³

MOOSE JAW RIVER NEAR LANG - STATION NO. 05JE002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0	0 B	3.31	0.150	0.001	0	0	0	---	---	1
2	---	---	0.0	0 B	3.00	0.139	0.003	0	0	0	---	---	2
3	---	---	0.0	0 B	2.33	0.126	0.003	0	0	0	---	---	3
4	---	---	0.0	0 B	1.72 A	0.117	0.002	0	0	0	---	---	4
5	---	---	0.0	0.0508	1.46	0.111	0.001	0	0	0	---	---	5
6	---	---	0.0	0.1008	1.35	0.097	0	0	0	0E	---	---	6
7	---	---	0.0	0.2008	1.07	0.086	0	0	0	0E	---	---	7
8	---	---	0.0	2.80	0.883	0.074	0	0	0	0E	---	---	8
9	---	---	0.0	3.93	0.782	0.064	0	0	0	0E	---	---	9
10	---	---	0.0	3.61	0.690	0.054	0	0	0	0E	---	---	10
11	---	---	0.0	5.80	0.496	0.046	0.001	0	0	0E	---	---	11
12	---	---	0.0	6.15	0.395	0.036	0	0	0	0E	---	---	12
13	---	---	0.0	7.69	0.369	0.070	0	0	0	0E	---	---	13
14	---	---	0.0	7.14	0.534	0.056	0	0	0	0E	---	---	14
15	---	---	0.0	5.15	0.883	0.061	0	0	0	0E	---	---	15
16	---	---	0.0	5.80	0.616	0.056	0	0	0	0E	---	---	16
17	---	---	0.0	6.04	0.782	0.049	0	0	0	0E	---	---	17
18	---	---	0.0	6.07	0.709	0.042	0	0	0	0E	---	---	18
19	---	---	0.0	5.86	0.623	0.037	0	0	0	0E	---	---	19
20	---	---	0.0	10.3	0.551	0.030	0	0	0	0E	---	---	20
21	---	---	0.0	9.90	0.510	0.025	0	0	0	0E	---	---	21
22	---	---	0.0	9.33	0.439	0.022	0	0	0	0E	---	---	22
23	---	---	0.0	8.54	0.377	0.019	0	0	0	0E	---	---	23
24	---	---	0.0	7.90	0.352	0.017	0	0	0	0E	---	---	24
25	---	---	0.0	7.17	0.324	0.011	0	0	0	0E	---	---	25
26	---	---	0.0	5.31	0.308	0.008	0	0	0	0E	---	---	26
27	---	---	0.0	3.59	0.287	0.003	0	0	0	0E	---	---	27
28	---	---	0.0	2.82	0.252	0.002	0	0	0	0E	---	---	28
29	---		0.0	3.12	0.217	0.001	0	0	0	0E	---	---	29
30	---		0.0	3.36	0.182	0.001	0	0	0	0E	---	---	30
31	---		0.0		0.158		0	0		0E		---	31
TOTAL	---	---	0	148.930	25.501	1.847	0.011	0	0	0	---	---	TOTAL
MEAN	---	---	0	4.96	0.823	0.055	0	0	0	0	---	---	MEAN
MAX	---	---	0	10.3	2.31	0.150	0.003	0	0	0	---	---	MAX
MIN	---	---	0	0	0.158	0.001	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.710
MAXIMUM DAILY, 10.3 ON APR 20
MINIMUM DAILY, 0.0 ON MAR 1
MAXIMUM INSTANTANEOUS,
10.4 AT 00:30 CST ON APR 20

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 55 51 N
LONG 104 28 57 W
DRAINAGE AREA, 895 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.95
FEB	---	AUG	0
MAR	0	SEP	0
APR	12 900	OCT	0
MAY	2 200	NOV	---
JUN	142	DEC	---

TOTAL DISCHARGE, 15 200 dam³

MOOSE JAW RIVER NEAR ROULEAU - STATION NO. 05JE004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.4248	1.658	9.82	1.22	0.002	0	0	0	---	---	1
2	---	0 B	0.2128	0.578	8.45	1.08	0.005	0	0	0	---	---	2
3	---	0 B	0.0728	16.8 B	6.88	0.940	0.004	0	0	0	---	---	3
4	---	0 B	0.0238	24.8 B	5.77	0.847	0.141	0	0	0	---	---	4
5	---	0 B	0.0858	28.3 B	5.01	0.754	0.189	0	0	0	---	---	5
6	---	0 B	0.3628	34.4 B	4.54	0.881	0.125	0	0	0	---	---	6
7	---	0 B	0.6188	35.9 B	4.24	0.877	0.152	0	0	0	---	---	7
8	---	0 B	0.5198	34.8 B	3.95	0.606	0.138	0	0	0	---	---	8
9	---	0 B	0.4178	33.9 B	3.76	0.462	0.113	0	0	0	---	---	9
10	---	0 B	0.4068	34.4 B	3.46	0.398	0.136	0	0	0	---	---	10
11	---	0 B	0.3048	35.0	3.12	0.335	0.222	0	0	0	---	---	11
12	---	0 B	0.2468	35.8	3.01	0.262	0.252	0	0	0	---	---	12
13	---	0 B	0.2028	36.4	3.30	0.271	0.208	0	0	0	---	---	13
14	---	0 B	0.2348	35.6	4.02	0.344	0.088	0	0	0	---	---	14
15	---	0 B	0.6218	32.4	4.36	0.301	0.078	0	0	0	---	---	15
16	---	0 B	1.62 B	28.6	4.32	0.301	0.038	0	0	0	---	---	16
17	---	0 B	2.28 B	24.6	4.87	0.181	0.008	0	0	0	---	---	17
18	---	0 B	3.06 B	21.4	5.02	0.092	0.010	0	0	0	---	---	18
19	---	0 B	2.84 B	19.1	5.86	0.088	0.008	0	0	0	---	---	19
20	---	0 B	2.63 B	17.3	5.86	0.088	0.023	0	0	0	---	---	20
21	---	0 B	1.48 B	15.4	5.78	0.082	0.138	0	0	0	---	---	21
22	---	0 B	0.7818	14.2	5.13	0.038	0.138	0	0	0	---	---	22
23	---	0 B	0.5838	13.8	4.48	0.018	0.084	0	0	0	---	---	23
24	---	0 B	0.6188	13.8	3.98	0.014	0.151	0	0	0	---	---	24
25	---	0 B	0.6848	13.4	3.48	0	0.102	0	0	0	---	---	25
26	---	0.0508	0.7058	12.9	3.07	0	0.050	0	0	0	---	---	26
27	---	0.1638	0.6538	12.2	2.86	0	0.017	0	0	0	---	---	27
28	---	0.6758	0.6068	11.6	2.23	0.008	0	0	0	0	---	---	28
29	---		0.5638	11.5	1.90	0.008	0	0	0	0	---	---	29
30	---		0.5528	10.6	1.86	0.001	0	0	0	0	---	---	30
31	---		0.5888		1.37		0	0		0		---	31
TOTAL	---	0.900	24.730	672.82	134.04	9.884	2.848	0	0	0	---	---	TOTAL
MEAN	---	0.032	0.798	22.4	4.35	0.329	0.085	0	0	0	---	---	MEAN
MAX	---	0.676	2.86	36.4	9.82	1.22	0.252	0	0	0	---	---	MAX
MIN	---	0	0.023	1.86	1.37	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.49
MAXIMUM DAILY, 36.4 ON APR 13
MINIMUM DAILY, 0 ON JUN 25
MAXIMUM INSTANTANEOUS,
38.78 AT 12:15 CST ON APR 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 11 25 N
LONG 104 55 05 W
DRAINAGE AREA, 3 990 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	229
FEB	78.6	AUG	0
MAR	2 140	SEP	0
APR	35 100	OCT	0
MAY	11 700	NOV	---
JUN	853	DEC	---

TOTAL DISCHARGE, 73 000 dam³

MOOSE MOUNTAIN CREEK BELOW MOOSE MOUNTAIN LAKE - STATION NO. 05UE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0138	0.0108	9.04	0.804	0.144	0.018	0.007	0.018	---	---	1
2	---	---	0.0148	0.0108	8.36	0.881	0.148	0.017	0.002	0.017	---	---	2
3	---	---	0.0078	0.0108	7.85	0.844	0.380	0.014	0.002	0.017	---	---	3
4	---	---	0.0088	0.0118	8.78	0.783	0.383	0.018	0.002	0.018	---	---	4
5	---	---	9.0088	0.0188	8.15	0.883	0.232	0.022	0.004	0.018	---	---	5
6	---	---	0.0288	0.0228	5.81	0.633	0.221	0.018	0.007	0.012	---	---	6
7	---	---	0.0258	0.0488	4.87	0.574	0.261	0.018	0.003	0.014	---	---	7
8	---	---	0.0188	0.0788	4.04	0.539	0.228	0.018	0.004	0.013	---	---	8
9	---	---	0.0148	0.1188	4.07	0.402	0.188	0.022	0.005	0.013	---	---	9
10	---	---	0.0168	0.1888	3.88	0.378	0.307	0.011	0.018	0.018	---	---	10
11	---	---	0.0148	0.2188	3.67	0.333	0.451	0.008	0.008	0.018	---	---	11
12	---	---	0.0128	0.2688	3.40	0.471	0.178	0.008	0.018	0.012	---	---	12
13	---	---	0.0288	0.2788	3.58	0.581	0.121	0.010	0.013	0.015	---	---	13
14	---	---	0.0188	0.1588	2.83	0.448	0.073	0.004	0.011	0.018	---	---	14
15	---	---	0.0158	0.1318	2.77	0.370	0.087	0.008	0.020	0.017	---	---	15
16	---	---	0.0138	0.1318	2.62	0.328	0.058	0.012	0.018	0.020	---	---	16
17	---	---	0.0138	0.2988	2.84	0.188	0.020	0.014	0.028	0.010	---	---	17
18	---	---	0.0138	0.3628	2.84	0.083	0.014	0.013	0.017	0.008	---	---	18
19	---	---	0.0188	5.04 B	2.43	0.135	0.013	0.010	0.008	0.008	---	---	19
20	---	---	0.0318	15.9	2.23	0.158	0.013	0.012	0.008	0.008	---	---	20
21	---	---	0.0228	17.3	2.31	0.137	0.028	0.022	0.008	0.012	---	---	21
22	---	---	0.0228	17.8	2.07	0.208	0.021	0.018	0.010	0.011	---	---	22
23	---	---	0.0258	16.2	1.81	0.153	0.020	0.020	0.003	0.013	---	---	23
24	---	---	0.0228	14.6	1.88	0.087	0.021	0.014	0.007	0.018	---	---	24
25	---	---	0.0188	13.8	1.58	0.330	0.017	0.008	0.007	0.017	---	---	25
26	---	---	0.0188	12.9	1.43	0.288	0.017	0.010	0.008	0.014	---	---	26
27	---	---	0.0148	12.3	1.48	0.208	0.018	0.012	0.004	0.018	---	---	27
28	---	---	0.0138	11.4	1.48	0.185	0.018	0.014	0.010	0.017	---	---	28
29	---		0.0138	10.5	1.17	0.155	0.014	0.025	0.008	0.018	---	---	29
30	---		0.0158	9.83	1.11	0.177	0.012	0.015	0.019	0.022	---	---	30
31	---		0.0188		1.00		0.016	0.008		0.018A		---	31
TOTAL	---	---	0.506	180.043	108.59	11.587	3.844	0.448	0.288	0.471	---	---	TOTAL
MEAN	---	---	0.016	6.35	3.44	0.388	0.118	0.014	0.010	0.015	---	---	MEAN
MAX	---	---	0.028	17.8	9.04	0.844	0.451	0.025	0.028	0.022	---	---	MAX
MIN	---	---	0.007	0.010	1.00	0.083	0.012	0.004	0.002	0.008	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.16
MAXIMUM DAILY, 17.8 ON APR 22
MINIMUM DAILY, 0.002 ON SEP 3
MAXIMUM INSTANTANEOUS,
18.2 AT 07:26 CST ON APR 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 52 23 N
LONG 103 00 54 W
DRAINAGE AREA, 3 310 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	315
FEB	---	AUG	38.4
MAR	43.7	SEP	24.7
APR	13 000	OCT	40.7
MAY	9 310	NOV	---
JUN	989	DEC	---

TOTAL DISCHARGE, 24 600 dam³

MOOSE MOUNTAIN CREEK NEAR ORBOW - STATION NO. 05UD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.378	13.0	1.80	0.288	0	0	0	---	---	1
2	---	---	0 B	1.478	12.3	1.71	0.302	0	0	0	---	---	2
3	---	---	0 B	1.508	11.8	1.63	0.278	0	0	0	---	---	3
4	---	---	0 B	2.538	11.4	1.31	0.300	0	0	0	---	---	4
5	---	---	0 B	2.478	10.9	1.16	0.322	0	0	0	---	---	5
6	---	---	0 B	2.628	9.38	1.06	0.248	0	0	0	---	---	6
7	---	---	0 B	3.178	8.30	0.986	0.218	0	0	0	---	---	7
8	---	---	0 B	5.888	7.80	0.912	0.186	0	0	0	---	---	8
9	---	---	0 B	7.128	8.07	0.821	0.178	0	0	0	---	---	9
10	---	---	0 B	6.918	7.28	0.786	0.238	0	0	0	---	---	10
11	---	---	0 B	8.168	7.34	0.741	0.204	0	0	0	---	---	11
12	---	---	0.0128	11.4 B	7.38	0.841	0.173	0	0	0	---	---	12
13	---	---	0.0138	7.13	7.16	0.871	0.158	0	0	0	---	---	13
14	---	---	0 B	6.71	6.78	0.821	0.128	0	0	0	---	---	14
15	---	---	0 B	6.36	6.82	0.488	0.108	0	0	0	---	---	15
16	---	---	0 B	3.86	6.26	0.430	0.087	0	0	0	---	---	16
17	---	---	0 B	3.36	5.82	0.387	0.080	0	0	0	---	---	17
18	---	---	0 B	3.07	5.30	0.360	0.087	0	0	0	---	---	18
19	---	---	0 B	7.12	4.82	0.336	0.084	0	0	0	---	---	19
20	---	---	0 B	21.3	4.78	0.312	0.084	0	0	0	---	---	20
21	---	---	0 B	23.1	4.85	0.310	0.073	0	0	0	---	---	21
22	---	---	0 B	13.5	4.37	0.338	0.068	0	0	0	---	---	22
23	---	---	0 B	7.51	4.01	0.317	0.048	0	0	0	---	---	23
24	---	---	0 B	4.83	3.78	0.304	0.040	0	0	0	---	---	24
25	---	---	0.0088	3.78	3.47	0.271	0.028	0	0	0	---	---	25
26	---	---	0 B	3.08	3.10	0.238	0.018	0	0	0	---	---	26
27	---	---	0.0038	3.01	2.98	0.223	0.008	0	0	0	---	---	27
28	---	---	0.0088	10.9	2.80	0.213	0.004	0	0	0	---	---	28
29	---		0.0088	13.3	2.22	0.210	0.002	0	0	0	---	---	29
30	---		0.4248	15.8	2.31	0.271	0.005	0	0	0	---	---	30
31	---		0.8428		1.84		0.001	0		0		---	31
TOTAL	---	---	1.477	220.70	197.78	18.608	4.037	0	0	0	---	---	TOTAL
MEAN	---	---	0.048	7.35	6.38	0.850	0.130	0	0	0	---	---	MEAN
MAX	---	---	0.843	31.3	13.0	1.80	0.322	0	0	0	---	---	MAX
MIN	---	---	0	1.37	1.84	0.210	0.001	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.61
MAXIMUM DAILY, 31.3 ON APR 20
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
38.4 AT 11:31 CST ON APR 20

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 13 55 N
LONG 102 13 41 W
DRAINAGE AREA, 6 050 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	348
FEB	---	AUG	0
MAR	138	SEP	0
APR	19 100	OCT	0
MAY	17 100	NOV	---
JUN	1 090	DEC	---

TOTAL DISCHARGE, 38 400 dam³

MOOSE MOUNTAIN LAKE (RESERVOIR) NEAR CORNING - STATION NO. 05NC002

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	620.312E	620.307A	620.317A	620.328E	620.893	620.442	620.335	620.232	620.094	620.040	620.000E	620.015E	1
2	---	---	---	620.328E	620.887	620.442	620.347	620.233	620.103	620.037	---	---	2
3	---	---	---	620.329E	620.847	620.444	620.371	620.232	620.093	620.038	---	---	3
4	---	---	---	620.333E	620.802	620.425	620.383	620.229	620.080	620.043	---	---	4
5	620.311A	---	---	620.338E	620.772	620.418	620.344	620.220	620.090	620.054	---	---	5
6	---	---	---	620.345A	620.745	620.410	620.348	620.215	620.080	620.035	---	---	6
7	---	---	---	620.351E	620.707	620.402	620.348	620.216	620.059	620.040	---	---	7
8	---	---	---	620.357E	620.686	620.397	620.328	620.202	620.061	620.034	---	---	8
9	---	---	---	620.363E	620.656	620.378	620.332	620.187	620.057	620.027	---	---	9
10	---	---	---	620.373E	620.658	620.381	620.354	620.193	620.089	620.044	---	---	10
11	---	---	---	620.382E	620.637	620.370	620.349	620.173	620.087	620.052	---	---	11
12	---	---	---	620.392E	620.628	620.383	620.326	620.181	620.083	620.032	---	---	12
13	---	---	---	620.407E	620.631	620.383	620.323	620.174	620.080	620.028	---	---	13
14	---	---	---	620.419E	620.587	620.387	620.287	620.184	620.038	620.028	---	---	14
15	---	---	---	620.432E	620.588	620.373	620.320	620.157	620.082	620.024	---	---	15
16	---	---	---	620.450E	620.578	620.358	620.304	620.140	620.042	620.039	---	---	16
17	---	---	---	620.465E	620.576	620.348	620.289	620.148	620.104	620.021	---	---	17
18	---	---	---	620.481E	620.570	620.325	620.285	620.149	620.100	620.011	---	---	18
19	---	---	---	620.528E	620.582	620.348	620.282	620.143	620.070	620.010	---	---	19
20	---	---	---	620.610A	620.549	620.347	620.282	620.100	620.061	619.999	---	---	20
21	---	---	---	620.884	620.555	620.341	620.287	620.120	620.045	620.014	---	---	21
22	---	---	---	621.052	620.536	620.358	620.301	620.109	620.034	620.009	---	---	22
23	---	---	---	621.137	620.525	620.342	620.285	620.111	620.038	620.018	---	---	23
24	---	---	---	621.132	620.523	620.338	620.277	620.109	620.033	620.027	---	---	24
25	---	---	---	621.101	620.504	620.378	620.283	620.110	620.032	620.017	---	---	25
26	---	---	---	621.074	620.497	620.361	620.272	620.105	620.028	620.006	---	---	26
27	---	---	---	621.036	620.486	620.361	620.268	620.102	620.031	620.018	---	---	27
28	---	620.317E	---	620.995	620.483	620.343	620.284	620.101	620.042	620.010	---	---	28
29	---	---	620.322A	620.957	620.467	620.341	620.253	620.094	620.022	619.996	---	---	29
30	---	---	---	620.824	620.483	620.344	620.258	620.098	620.034	620.001	620.015A	---	30
31	620.307E		620.324E		620.484		620.244	620.093		619.999A		620.012E	31
MEAN	---	---	---	620.611	620.614	620.378	620.307	620.158	620.080	620.024	---	---	MEAN
MAX	---	---	---	621.137	620.893	620.444	620.371	620.233	620.104	620.054	---	---	MAX
MIN	---	---	---	620.328	620.454	620.328	620.244	620.093	620.032	619.996	---	---	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 39 N
LONG 103 01 58 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

MAXIMUM DAILY, 621.137 ON APR 23

MAXIMUM INSTANTANEOUS,
621.162 AT 17:35 CST ON APR 23

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

MOOSOMIN RESERVOIR NEAR MOOSOMIN - STATION NO. 05NE002

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	644.185A	644.227	644.172	644.458	644.383	644.332	644.088	643.881	---	---	1
2	---	---	644.178	644.227	644.168	644.478	644.402	644.338	644.051	643.884	---	---	2
3	---	---	644.178	644.227	644.132	644.488	644.417	644.334	644.028	643.871	---	---	3
4	---	---	644.180	644.227	644.113	644.478	644.412	644.333	644.002	643.874	---	---	4
5	---	---	644.182	644.230	644.104	644.470	644.403	644.325	643.980	643.887	---	---	5
6	---	---	644.187	644.228	644.093	644.468	644.407	644.314	643.958	643.880	---	---	6
7	---	---	644.207	644.217	644.082	644.462	644.408	644.311	643.930	643.880	---	---	7
8	---	---	644.210	644.207	644.088	644.458	644.403	644.289	643.915	643.878	---	---	8
9	---	---	644.210	644.200	644.118	644.458	644.408	644.287	643.904	643.877	---	---	9
10	---	---	644.207	644.138	644.172	644.481	644.417	644.284	643.909	643.887	---	---	10
11	---	---	644.211	644.183	644.218	644.480	644.405	644.271	643.872	643.888	---	---	11
12	---	---	644.212	644.148	644.278	644.447	644.389	644.289	643.880	643.881	---	---	12
13	---	---	644.212	644.137	644.381	644.432	644.391	644.258	643.854	643.880	---	---	13
14	---	---	644.212	644.177	644.388	644.420	644.381	644.244	643.848	643.882	---	---	14
15	---	---	644.214	644.181	644.433	644.415	644.387	644.248	643.882	643.881	---	---	15
16	---	---	644.216	644.181	644.482	644.414	644.379	644.238	643.855	643.889	---	---	16
17	---	---	644.216	644.183	644.485	644.412	644.376	644.247	643.878	643.880	---	---	17
18	---	---	644.217	644.159	644.488	644.405	644.372	644.244	643.888	643.878	---	---	18
19	---	---	644.218	644.203	644.510	644.410	644.371	644.238	643.881	643.874	---	---	19
20	---	---	644.217	644.377	644.519	644.412	644.383	644.218	643.858	643.888	---	---	20
21	---	---	644.218	644.572	644.526	644.408	644.376	644.218	643.847	643.878	---	---	21
22	---	---	644.218	644.634	644.523	644.416	644.375	644.210	643.841	643.878	---	---	22
23	---	---	644.220	644.678	644.523	644.408	644.388	644.210	643.841	643.884	---	---	23
24	---	---	644.225	644.672	644.514	644.400	644.380	644.198	643.848	643.891	---	---	24
25	---	---	644.234	644.680	644.503	644.408	644.381	644.182	643.847	643.887	---	---	25
26	---	---	644.224	644.488	644.500	644.398	644.348	644.184	643.847	643.883	---	---	26
27	---	---	644.228	644.399	644.496	644.387	644.342	644.148	643.851	643.887	---	---	27
28	---	---	644.224	644.330	644.485	644.388	644.341	644.132	643.886	643.883	---	---	28
29	---		644.222	644.261	644.473	644.384	644.341	644.122	643.851	643.878	---	---	29
30	---		644.228	644.208	644.472	644.391	644.338	644.107	643.858	643.882	---	---	30
31	---		644.228		644.467		644.336	644.088		643.884A		---	31
MEAN	---	---	644.210	644.295	644.348	644.430	644.378	644.238	643.895	643.880	---	---	MEAN
MAX	---	---	644.238	644.678	644.526	644.498	644.417	644.338	644.088	643.891	---	---	MAX
MIN	---	---	644.185	644.137	644.088	644.384	644.338	644.088	643.841	643.881	---	---	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 02 45 N
LONG 101 41 28 W

A - MANUAL GAUGE

REGULATED

MAXIMUM DAILY, 644.678 ON APR 23

MAXIMUM INSTANTANEOUS,
644.691 AT 21:00 CST ON APR 23

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - SUBTRACT 1.037 m FROM DATA PUBLISHED PRIOR TO 1980 TO CONVERT TO PRESENT DATUM

NORTH CREEK NEAR MEADOW LAKE - STATION NO. 05AD005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.044	0	0	0	0	0	0	---	1
2	---	---	0B	0 B	0.045	0	0	0	0	0	0.140A	---	2
3	---	---	0B	0 B	0.039	0	0	0	0	0	---	---	3
4	---	---	0B	0.0028	0.031	0	0	0	0	0	---	---	4
5	---	---	0B	0.3508	0.027	0	0	0	0	0	---	---	5
6	---	---	0B	1.50 B	0.022	0	0	0	0	0	---	---	6
7	---	---	0B	4.91 B	0.020	0	0	0	0	0	---	---	7
8	---	---	0B	3.07	0.020	0	0	0	0	0	---	---	8
9	---	---	0B	1.78 A	0.026	0	0	0	0	0	---	---	9
10	---	---	0B	0.911E	0.021	0	0	0	0	0	---	---	10
11	---	---	0B	0.808E	0.015	0	0	0	0	0	---	---	11
12	---	---	0B	0.476E	0.013	0	0	0	0	0	---	---	12
13	---	---	0B	0.333A	0.013	0	0	0	0	0	---	---	13
14	---	---	0B	0.418	0.015	0	0	0	0	0	---	---	14
15	---	---	0B	0.387	0.015	0	0	0	0	0	---	---	15
16	---	---	0B	0.356	0.012	0	0	0	0	0	---	---	16
17	---	---	0B	0.310	0.008	0	0	0	0	0	---	---	17
18	---	---	0B	0.280	0.015	0	0	0	0	0	---	---	18
19	---	---	0B	0.318	0.016	0	0	0	0	0	---	---	19
20	---	---	0B	0.216	0.015	0	0	0	0	0	---	---	20
21	---	---	0B	0.132	0.012	0	0	0	0	0	---	---	21
22	---	---	0B	0.111	0	0	0	0	0	0	---	---	22
23	---	---	0B	0.096	0	0	0	0	0	0	---	---	23
24	---	---	0B	0.095	0	0	0	0	0	0	---	---	24
25	---	---	0B	0.079	0.008	0	0	0	0	0	---	---	25
26	---	---	0B	0.088	0.003	0	0	0	0	0	---	---	26
27	---	---	0B	0.083	0	0	0	0	0	0	---	---	27
28	---	---	0B	0.059	0	0	0	0	0	0	---	---	28
29	---		0B	0.048	0	0	0	0	0	0	---	---	29
30	---		0B	0.043	0	0	0	0	0	0	---	---	30
31	---		0B		0		0	0		0		---	31
TOTAL	---	---	0	17.081	0.488	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.589	0.015	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	4.91	0.045	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.072
MAXIMUM DAILY, 4.910 ON APR 7
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
5.080 AT 08:15 CST ON APR 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 09 55 N
LONG 108 34 38 W
DRAINAGE AREA, 184 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	1 480	OCT	0
MAY	40.4	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 1 520 dam³

NORTH LAKE NEAR VICTOIRE - STATION NO. 05AE003

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	27.915	27.891	27.884	27.781	27.771	27.745	---	1
2	---	---	---	---	---	27.914	27.905	27.881	27.781	27.769	27.744	---	2
3	---	---	---	---	---	27.908	27.909	27.881	27.781	27.769	27.745	---	3
4	---	---	---	---	---	27.914	27.913	27.884	27.782	27.768	27.745	---	4
5	---	---	---	---	---	27.904	27.913	27.858	27.784	27.773	27.748	---	5
6	---	---	---	---	---	27.905	27.911	27.855	27.782	27.760	27.745	---	6
7	---	---	---	---	---	27.905	27.911	27.841	27.782	27.758	27.744	---	7
8	---	---	---	---	---	27.904	27.913	27.841	27.782	27.758	27.744	---	8
9	---	---	---	---	---	27.904	27.913	27.838	27.798	27.758	27.745	---	9
10	---	---	---	---	---	27.904	27.911	27.831	27.800	27.758	27.745	---	10
11	---	---	---	---	---	27.924	27.909	27.828	27.798	27.757	27.744	---	11
12	---	---	---	---	---	27.918	27.909	27.834	27.798	27.757	27.744	---	12
13	---	---	---	---	---	27.924	27.903	27.836	27.798	27.757	27.743	---	13
14	---	---	---	---	---	27.914	27.901	27.814	27.793	27.760	27.743	---	14
15	---	---	---	---	---	27.904	27.901	27.818	27.792	27.763	27.744	---	15
16	---	---	---	---	---	27.898	27.897	27.803	27.792	27.765	27.743	---	16
17	---	---	---	---	---	27.894	27.894	27.798	27.785	27.764	27.742	---	17
18	---	---	---	---	---	27.888	27.884	27.802	27.785	27.763	27.741	---	18
19	---	---	---	---	---	27.894	27.882	27.802	27.785	27.761	27.741	---	19
20	---	---	---	---	---	27.888	27.881	27.801	27.785	27.760	27.744	---	20
21	---	---	---	---	---	27.894	27.882	27.802	27.785	27.749	27.742	---	21
22	---	---	---	---	---	27.888	27.894	27.798	27.782	27.761	---	---	22
23	---	---	---	---	---	27.884	27.878	27.794	27.782	27.762	---	---	23
24	---	---	---	---	---	27.888	27.878	27.788	27.782	27.758	---	---	24
25	---	---	---	---	---	27.894	27.874	27.788	27.780	27.761	---	---	25
26	---	---	---	---	---	27.894	27.874	27.788	27.788	27.747	---	---	26
27	---	---	---	---	---	27.888	27.884	27.788	27.790	27.744	---	---	27
28	---	---	---	---	---	27.894	27.888	27.788	27.788	27.744	---	---	28
29	---		---	---	---	27.898	27.888	27.788	27.778	27.744	---	---	29
30	---		---	---	---	27.892	27.888	27.784	27.778	27.743	---	---	30
31	---		---		27.911		27.883	27.785		27.742		---	31
MEAN	---	---	---	---	---	27.901	27.894	27.817	27.790	27.755	---	---	MEAN
MAX	---	---	---	---	---	27.924	27.913	27.864	27.800	27.773	---	---	MAX
MIN	---	---	---	---	---	27.884	27.883	27.784	27.778	27.742	---	---	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MAXIMUM DAILY, 27.924 ON JUN 11

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 29 52 N
LONG 107 03 32 W
DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

MOSQUITO CREEK NEAR PAMBRUN - STATION NO. 05JB007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.2208	1.20 E	0.019	0.002	0	0	0	0	---	---	1
2	---	0 B	0.2078	0.750E	0.019	0.001	0	0	0	0	---	---	2
3	---	0 B	0.1808	0.500E	0.020	0	0	0	0	0	---	---	3
4	---	0 B	0.1608	0.340E	0.021	0	0	0	0	0	---	---	4
5	---	0 B	0.1408	0.252A	0.022	0	0	0	0	0	---	---	5
6	---	0 B	0.1208	0.188A	0.021	0	0	0	0	0	---	---	6
7	---	0 B	0.1008	0.120E	0.018	0	0	0	0	0	---	---	7
8	---	0 B	0.0808	0.095E	0.022	0	0	0	0	0	---	---	8
9	---	0 B	0.0688	0.070E	0.033	0	0	0	0	0	---	---	9
10	---	0 B	0.0608	0.058E	0.070	0	0	0	0	0	---	---	10
11	---	0 B	1.21 B	0.048E	0.088	0	0	0	0	0	---	---	11
12	---	0 B	1.17 B	0.030E	0.077	0	0.004	0	0	0	---	---	12
13	---	0.0088	0.5088	0.023A	0.088	0	0.002	0	0	0	---	---	13
14	---	0.0108	0.3458	0.021E	0.082	0	0	0	0	0	---	---	14
15	---	0.0158	0.4088	0.020E	0.056	0	0	0	0	0	---	---	15
16	---	0.0188	0.1908	0.019E	0.051	0	0	0	0	0	---	---	16
17	---	0.0208	0.1308	0.018E	0.048	0	0	0	0	0	---	---	17
18	---	0.0258	0.1128	0.017E	0.043	0	0	0	0	0	---	---	18
19	---	0.0308	0.1038	0.018E	0.040	0	0	0	0	0	---	---	19
20	---	0.0358	0.0888	0.015A	0.038	0	0	0	0	0	---	---	20
21	---	0.0408	0.0748	0.015	0.035	0	0	0	0	0	---	---	21
22	---	0.0508	0.0718	0.014	0.032	0	0	0	0	0	---	---	22
23	---	0.0808	0.0688	0.015	0.030	0	0	0	0	0	---	---	23
24	---	0.0798	0.0688	0.014	0.027	0	0	0	0	0	---	---	24
25	---	0.0848	0.0658	0.015	0.025	0	0	0	0	0	---	---	25
26	---	0.2818	0.0508	0.017	0.022	0	0	0	0	0	---	---	26
27	---	0.3958	0.0518	0.017	0.018	0	0	0	0	0	---	---	27
28	---	0.2598	0.1548	0.016	0.013	0	0	0	0	0	---	---	28
29	---		1.06 B	0.018	0.009	0	0	0	0	0	---	---	29
30	---		4.26 A	0.019	0.006	0	0	0	0	0	---	---	30
31	---		2.20 E		0.003		0	0		0		---	31
TOTAL	---	1.416	13.722	3.928	1.026	0.003	0.006	0	0	0	---	---	TOTAL
MEAN	---	0.051	0.443	0.131	0.033	0	0	0	0	0	---	---	MEAN
MAX	---	0.395	4.26	1.20	0.077	0.002	0.004	0	0	0	---	---	MAX
MIN	---	0	0.050	0.014	0.003	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.075
MAXIMUM DAILY, 4.26A ON MAR 30
MINIMUM DAILY, 0 ON JUN 3
MAXIMUM INSTANTANEOUS,
5.96 AT 04:12 CST ON MAR 30

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 58 37 N
LONG 107 28 13 W
DRAINAGE AREA, 124 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0.82
FEB	122	AUG	0
MAR	1 180	SEP	0
APR	339	OCT	0
MAY	88.8	NOV	---
JUN	0.26	DEC	---

TOTAL DISCHARGE, 1 820 dam³

MUDDY LAKE INFLOW NEAR REVENUE - STATION NO. 05EB004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0128	0.003E	0	0.288	0	0	0	---	---	1
2	---	---	0 B	0.0408	0.002E	0	0.105	0	0	0	---	---	2
3	---	---	0 B	0.0338	0.002E	0	0.071	0	0	0	---	---	3
4	---	---	0 B	0.0538	0.002E	0	0.145	0	0	0	---	---	4
5	---	---	0 B	0.0678	0.001E	0	0.122	0	0	0	---	---	5
6	---	---	0 B	4.30 B	0.001E	0	0.045	0	0	0	---	---	6
7	---	---	0 B	5.04 B	0.001E	0	0.025	0	0	0	---	---	7
8	---	---	0 B	4.28	0 E	0	0.021	0	0	0	---	---	8
9	---	---	0 B	0.900	0 E	0	0.014	0	0	0	---	---	9
10	---	---	0 B	0.323	0 A	0	0.010	0	0	0	---	---	10
11	---	---	0 B	0.170	0	0	0.007	0	0	0	---	---	11
12	---	---	0 B	0.085	0	0	0.005	0	0	0	---	---	12
13	---	---	0 B	0.085	0	0	0.005	0	0	0	---	---	13
14	---	---	0 B	0.272	0	0	0.004	0	0	0	---	---	14
15	---	---	0 B	0.236	0	0	0.003	0	0	0	---	---	15
16	---	---	0 B	0.107	0	0	0.002	0	0	0	---	---	16
17	---	---	0 B	0.067	0	0	0.003	0	0	0	---	---	17
18	---	---	0 B	0.046	0	0	0.001	0	0	0	---	---	18
19	---	---	0 B	0.032	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0.023	0	0	0	0	0	0	---	---	20
21	---	---	0 B	0.015	0	0	0.004	0	0	0	---	---	21
22	---	---	0 B	0.011	0	0	0.002	0	0	0	---	---	22
23	---	---	0 B	0.007	0	0	0.001	0	0	0	---	---	23
24	---	---	0 B	0.004	0	0	0.001	0	0	0	---	---	24
25	---	---	0 B	0.008	0	0	0	0	0	0	---	---	25
26	---	---	0 B	0.004	0	0	0	0	0	0	---	---	26
27	---	---	0 B	0.005	0	0	0	0	0	0	---	---	27
28	---	---	0 B	0.004	0	0	0	0	0	0	---	---	28
29	---		0 B	0.003A	0	0	0	0	0	0	---	---	29
30	---		0.0018	0.003E	0	0.074	0	0	0	0	---	---	30
31	---		0.0018		0		0	0		0		---	31
TOTAL	---	---	0.002	19.250	0.012	0.074	0.898	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.642	0	0.002	0.029	0	0	0	---	---	MEAN
MAX	---	---	0.001	5.04	0.003	0.074	0.288	0	0	0	---	---	MAX
MIN	---	---	0	0.003	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.083
MAXIMUM DAILY, 5.04B ON APR 7
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
17.7B AT 22:51 CST ON APR 8

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 13 50 N
LONG 109 02 13 W
DRAINAGE AREA, 252 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	77.8
FEB	---	AUG	0
MAR	0.17	SEP	0
APR	1 650	OCT	0
MAY	1.04	NOV	---
JUN	8.39	DEC	---

TOTAL DISCHARGE, 1 760 dam³

MUDJATIK RIVER NEAR FORCIER LAKE - STATION NO. 08EC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	12.48	14.08	13.58	14.38	41.5	34.1	41.7	27.7	18.6	23.7E	24.2	20.38	1
2	12.38	14.18	13.78	14.58	41.3	36.9	40.6	27.1	18.7	23.7E	24.2	19.78	2
3	12.48	14.18	13.78	14.68	41.2	37.5	39.6	27.1	19.5	23.7E	23.8	19.68	3
4	12.48	14.28	13.88	14.78	41.1	40.5	38.9	27.6	19.6	23.7E	23.8	19.48	4
5	12.28	14.48	13.88	14.78	41.0	43.0	37.7	28.1	19.5	23.7E	23.68	19.18	5
6	12.28	14.48	13.58	14.98	41.0	44.3	37.0	27.5	19.6	23.7A	23.68	18.88	6
7	12.18	14.48	13.78	15.78	41.0	45.9	36.1	26.6	19.6	23.7	23.68	18.38	7
8	12.18	14.38	13.78	16.88	40.8	47.5	35.4	25.7	19.6	23.6	23.48	17.98	8
9	12.48	14.08	13.88	17.58	40.7	48.3	34.7	25.0	19.7	23.7	22.48	17.48	9
10	12.48	13.78	13.98	17.98	40.4	50.9	34.0	24.3	19.6	23.6	22.08	17.38	10
11	12.58	13.58	14.08	17.88	40.1	52.7	33.0	23.7	19.6	23.6	22.08	16.88	11
12	13.88	13.38	14.38	17.48	39.6	53.8	32.2	23.2	19.7	23.5	21.78	16.78	12
13	13.88	13.38	14.18	17.28	39.2	54.6	31.5	22.7	19.7	23.5	22.78	16.48	13
14	12.98	13.28	14.18	16.78	38.6	55.5	30.5	22.3	19.6	23.4	23.38	16.08	14
15	13.18	13.18	14.38	16.08	38.2	56.1	30.1	22.0	19.6	23.7	23.18	15.68	15
16	13.08	13.08	14.78	15.58	37.9	56.4	29.7	21.7	20.3	24.1	22.18	15.58	16
17	13.18	13.28	14.98	15.38	37.5	56.8	30.1	21.5	21.9	24.4	21.78	15.28	17
18	13.28	13.58	14.98	15.38	37.5	56.3	29.7	21.5	22.6A	24.8	23.38	15.08	18
19	13.38	13.98	14.98	16.08	37.3	55.3	29.6	21.5	22.6E	25.0	21.48	14.78	19
20	13.48	13.98	14.68	17.38	37.2	54.0	29.1	21.5	22.7E	24.9	20.88	14.68	20
21	13.58	13.88	14.78	18.68	37.2	52.7	28.9	21.5	22.6E	25.0	19.18	14.58	21
22	13.58	13.78	14.78	19.68	37.0	51.1	28.2	21.4	22.9E	25.0	18.68	14.58	22
23	13.68	13.78	14.78	20.48	36.5	49.7	27.4	21.2	23.0E	24.9	18.48	14.28	23
24	13.68	13.68	14.78	27.68	36.2	48.5	26.8	20.8	23.1E	24.6	18.68	14.28	24
25	13.68	13.58	14.68	57.48	36.0	47.5	26.2	20.4	23.2E	24.6	20.08	14.38	25
26	14.08	13.48	14.58	46.08	35.7	46.0	25.6	20.0	23.3E	24.5	17.48	14.28	26
27	14.18	13.48	14.48	43.3	35.2	44.5	26.6	19.8	23.4E	24.5	18.68	14.28	27
28	14.28	13.48	14.48	42.5	34.6	43.7	28.2	19.4	23.5E	24.5	19.68	14.08	28
29	14.28		14.48	42.1	34.1	43.5	28.4	19.2	23.6E	24.5	20.88	13.98	29
30	14.28		14.58	41.8	33.4	42.5	28.1	18.9	23.7E	24.4	21.08	14.18	30
31	14.18		14.48		33.2		27.8	18.7		24.1		14.28	31
TOTAL	406.5	383.9	441.6	579.8	1 182.4	1 450.4	983.8	700.6	634.6	748.6	682.1	500.4	TOTAL
MEAN	13.1	13.7	14.2	22.7	38.1	48.3	31.7	22.9	21.2	24.1	21.7	16.1	MEAN
MAX	14.2	14.4	14.9	57.4	41.5	56.8	41.7	28.1	23.7	25.0	24.2	20.3	MAX
MIN	12.1	13.0	13.5	14.3	33.2	34.1	25.6	18.7	18.6	23.4	17.4	13.9	MIN

SUMMARY FOR THE YEAR 1982

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 24.0
MAXIMUM DAILY, 57.48 ON APR 25
MINIMUM DAILY, 12.18 ON JAN 7
MAXIMUM INSTANTANEOUS,
83.18 AT 16:20 CST ON APR 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 05 30 N
LONG 107 35 30 W
DRAINAGE AREA, 8 940 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	35 000	JUL	85 000
FEB	33 200	AUG	61 300
MAR	38 100	SEP	54 800
APR	50 700	OCT	64 700
MAY	102 000	NOV	58 300
JUN	125 000	DEC	43 200

TOTAL DISCHARGE, 757 000 dam³

WASHLYN CANAL NEAR CONSUL - STATION NO. 11AB018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0.5338	0.676	0	0	0	0	0	---	---	1
2	---	---	0	0.5298	0.657	0	0	0	0	0	---	---	2
3	---	---	0	0.6898	0.577	0	0	0	0	0	---	---	3
4	---	---	0	0.7898	0.347	0	0	0	0	0	---	---	4
5	---	---	0	0.8088	0.526	0	0	0	0	0	---	---	5
6	---	---	0	0.9268	0.539	0	0	0	0	0	---	---	6
7	---	---	0	0.9758	0.463	0	0	0	0	0	---	---	7
8	---	---	0	1.02	0.196	0	0	0	0	0	---	---	8
9	---	---	0	1.12	0.068	0	0	0	0	0	---	---	9
10	---	---	0	1.04	0.030	0	0	0	0	0	---	---	10
11	---	---	0	0.826	0.014	0	0	0	0	0	---	---	11
12	---	---	0	0.666	0.009	0	0	0	0	0	---	---	12
13	---	---	0	0.530	0.002	0	0	0	0	0	---	---	13
14	---	---	0	0.516	0	0	0	0	0	0	---	---	14
15	---	---	0	0.438	0	0	0	0	0	0	---	---	15
16	---	---	0	0.384	0	0	0	0	0	0	---	---	16
17	---	---	0	0.348	0	0	0	0	0	0	---	---	17
18	---	---	0	0.383	0	0	0	0	0	0	---	---	18
19	---	---	0	0.469	0	0	0	0	0	0	---	---	19
20	---	---	0	0.521	0	0	0	0	0	0	---	---	20
21	---	---	0	0.373	0	0	0	0	0	0	---	---	21
22	---	---	0	0.372	0	0	0	0	0	0	---	---	22
23	---	---	0	0.318	0	0	0	0	0	0	---	---	23
24	---	---	0.287	0.525	0	0	0	0	0	0	---	---	24
25	---	---	0.1438	0.803	0	0	0	0	0	0	---	---	25
26	---	---	0.1358	0.847	0	0	0	0	0	0	---	---	26
27	---	---	0.1728	0.480	0	0	0	0	0	0	---	---	27
28	---	---	0.180	0.347	0	0	0	0	0	0	---	---	28
29	---		0.188	0.433	0	0	0	0	0	0	---	---	29
30	---		0.217	0.588	0	0	0	0	0	0	---	---	30
31	---		0.376		0		0	0		0		---	31
TOTAL	---	---	1.877	18.082	4.095	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.064	0.602	0.132	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.376	1.12	0.676	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0.272	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.057
MAXIMUM DAILY, 1.12 ON APR 9
MINIMUM DAILY, 0 ON MAR 1

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 13 50 N
LONG 100 33 30 W

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	165	SEP	0
APR	1 590	OCT	0
MAY	354	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 2 090 dam³

NEMEIBEN LAKE NEAR LA RONGE - STATION NO. 06CB003

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	370.524E	370.488	---	---	---	---	1
2	---	---	---	---	---	---	370.524	370.490	---	---	---	---	2
3	---	---	---	---	---	---	370.524	370.488	---	---	---	---	3
4	---	---	---	---	---	---	370.526	370.481	---	---	---	---	4
5	---	---	---	---	---	---	370.517	370.481	---	---	---	---	5
6	---	---	---	---	---	---	370.518E	370.488	---	---	---	---	6
7	---	---	---	---	---	---	370.520	370.472	---	---	---	---	7
8	---	---	---	---	---	---	370.520	370.488	---	---	---	---	8
9	---	---	---	---	---	370.438	370.495	370.481	---	---	---	---	9
10	---	---	---	---	---	370.488	370.515	370.481	---	---	---	---	10
11	---	---	---	---	---	370.488E	370.505	370.456	---	---	---	---	11
12	---	---	---	---	---	370.478	370.515	370.451E	---	---	---	---	12
13	---	---	---	---	---	370.473	370.509	370.446	---	---	---	---	13
14	---	---	---	---	---	370.483	370.498	370.442	---	---	---	---	14
15	---	---	---	---	---	370.474	370.498	370.440	---	---	---	---	15
16	---	---	---	---	---	370.473	370.495	370.435E	---	---	---	---	16
17	---	---	---	---	---	370.473	370.500	370.430	---	---	---	---	17
18	---	---	---	---	---	370.488	370.500	370.436	---	---	---	---	18
19	---	---	---	---	---	370.474	770.490	370.421E	---	---	---	---	19
20	---	---	---	---	---	370.478	370.475	370.407	---	---	---	---	20
21	---	---	---	---	---	370.478	370.488	370.427	---	---	---	---	21
22	---	---	---	---	---	370.484	370.517	370.407	---	---	---	---	22
23	---	---	---	---	---	370.474	370.518	370.407	---	---	---	---	23
24	---	---	---	---	---	370.478	370.510	370.402	---	---	---	---	24
25	---	---	---	---	---	370.484	370.512	370.400	---	---	---	---	25
26	---	---	---	---	---	370.514	370.513	370.398	---	370.355	---	---	26
27	---	---	---	---	---	370.518	370.511E	370.381	---	---	---	---	27
28	---	---	---	---	---	370.524	370.509	370.381	---	---	---	---	28
29	---		---	---	---	370.524	370.501	---	---	---	---	---	29
30	---		---	---	---	370.524	370.501	---	---	---	---	---	30
31	---		---		---		370.489	---		---		---	31
MEAN	---	---	---	---	---	---	370.508	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	370.526	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	370.475	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MAXIMUM DAILY, 370.526 ON JUL 4

TYPE OF GAUGE - MANUAL
LOCATION - LAT 55 15 38 N
LONG 105 22 10 W
DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

NEWTON LAKE - STATION NO. 11AC056

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	802.240	803.099	803.408	803.144	802.351	801.718	801.130	801.004	801.095	---	1
2	---	---	802.241	803.206	803.423	803.102	802.348	801.683	801.120	801.003	801.108A	---	2
3	---	---	802.243	803.298	803.438	803.060	802.338	801.605	801.108	801.003	---	---	3
4	---	---	802.246	803.372	803.448	803.018	802.324	801.553	801.099	801.003	---	---	4
5	---	---	802.244	803.411	803.453	802.977	802.314	801.497	801.093	801.001	---	---	5
6	---	---	802.249	803.447	803.455	802.938	802.304	801.458	801.080	800.999	---	---	6
7	---	---	802.250	803.442	803.480	802.880	802.295	801.422	801.072	800.998	---	---	7
8	---	---	802.248	803.426	803.487	802.847	802.282	801.378	801.068	800.992	---	---	8
9	---	---	802.252	803.416	803.489	802.802	802.265	801.356	801.071	800.996	---	---	9
10	---	---	802.254	803.406	803.481	802.752	802.303	801.335	801.068	800.997	---	---	10
11	---	---	802.255	803.387	803.509	802.708	802.315	801.318	801.059	800.994	---	---	11
12	---	---	802.258	803.384	803.503	802.698	802.319	801.305	801.057	800.994	---	---	12
13	---	---	802.265	803.371	803.519	802.628	802.321	801.291	801.053	800.992	---	---	13
14	---	---	802.277	803.358	803.502	802.594	802.321	801.284	801.053	800.991	---	---	14
15	---	---	802.283	803.345	803.510	802.568	802.318	801.278	801.048	800.991	---	---	15
16	---	---	802.285	803.327	803.536	802.548	802.315	801.267	801.043	800.988	---	---	16
17	---	---	802.305	803.312	803.527	802.522	802.336	801.255	801.040	800.988	---	---	17
18	---	---	802.305	803.307	803.501	802.506	802.385	801.243	801.036	800.988	---	---	18
19	---	---	802.386	803.330	803.470	802.486	802.388	801.230	801.030	800.984	---	---	19
20	---	---	802.522	803.324	803.433	802.484	802.313	801.218	801.027	800.978	---	---	20
21	---	---	802.570	803.320	803.396	802.447	802.282	801.208	801.024	800.934	---	---	21
22	---	---	802.584	803.330	803.373	802.437	802.236	801.204	801.021	800.912	---	---	22
23	---	---	802.820	803.324	803.418	802.432	802.190	801.201	801.020	800.920	---	---	23
24	---	802.238A	802.840	803.333	803.461	802.430	802.142	801.200	801.020	800.922	---	---	24
25	---	802.229E	802.880	803.341	803.431	802.417	802.100	801.191	801.017	800.827	---	---	25
26	---	802.231	802.881	803.348	803.387	802.408	802.053	801.184	801.013	800.826	---	---	26
27	---	802.238	802.701	803.368	803.356	802.383	801.998	801.178	801.007	800.825	---	---	27
28	---	802.237	802.718	803.388	803.314	802.381	801.838	801.165	801.002	800.919	---	---	28
29	---		802.748	803.381	803.269	802.371	801.662	801.159	800.995	800.868	---	---	29
30	---		802.830	803.383	803.224	802.363	801.824	801.148	801.001	801.006	---	---	30
31	---		802.870		803.183		801.788	801.140		801.054		---	31
MEAN	---	---	802.430	803.348	803.429	802.643	802.220	801.311	801.049	800.977	---	---	MEAN
MAX	---	---	802.870	803.447	803.536	803.144	802.365	801.718	801.130	801.054	---	---	MAX
MIN	---	---	802.240	803.099	803.183	802.363	801.788	801.140	800.995	800.912	---	---	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MAXIMUM DAILY, 803.536 ON MAY 18

MAXIMUM INSTANTANEOUS,
803.545 AT 17:00 CST ON MAY 16

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 18 12 N
LONG 107 48 20 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1937

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM
APPLY .082 m ADJUSTMENT TO CONVERT TO TOPOGRAPHIC SURVEY DATUM

REMARKS - THE MAXIMUM INSTANTANEOUS WATER LEVEL OCCURRED AS A RESULT OF WIND EFFECT

NEWTON LAKE MAIN CANAL - STATION NO. 11AC004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.005	0.015	0.012	2.73	0.024	2.25	0	0	---	---	1
2	---	---	0.005	0.015	0.012	2.68	0.023	2.21	0	0	---	---	2
3	---	---	0.005	0.016	0.012	2.66	0.022	2.16	0	0	---	---	3
4	---	---	0.005	0.017	0.012	2.62	0.013	1.78	0	0	---	---	4
5	---	---	0.005	0.016	0.008	2.59	0.003	1.36	0	0	---	---	5
6	---	---	0.005	0.019	0.003	2.56	0.003	1.02	0	0	---	---	6
7	---	---	0.005	0.020	0.013	2.52	0.003	0.786	0	0	---	---	7
8	---	---	0.005	0.020	0.014	2.46	0.003	0.621	0	0	---	---	8
9	---	---	0.005	0.020	1.33	2.39	0.003	0.581	0	0	---	---	9
10	---	---	0.005	0.019	0.477	2.13	0.006	0.167	0	0	---	---	10
11	---	---	0.005	0.019	0.020	2.01	0.005	0	0	0	---	---	11
12	---	---	0.005	0.019	0.020	1.48	0.004	0	0	0	---	---	12
13	---	---	0.005	0.018	0.020	1.30	0.010	0	0	0	---	---	13
14	---	---	0.005	0.018	0.020	0.869	0.008	0	0	0	---	---	14
15	---	---	0.005	0.018	0.020	0.502	0.006	0	0	0	---	---	15
16	---	---	0.005	0.017	0.020	0.514	0.008	0	0	0	---	---	16
17	---	---	0.005	0.017	0.020	0.505	0.010	0	0	0	---	---	17
18	---	---	0.005	0.018	0.020	0.480	1.18	0	0	0	---	---	18
19	---	---	0.006	0.018	0.020	0.478	2.05	0	0	0	---	---	19
20	---	---	0.007	0.018	0.020	0.476	2.52	0	0	0	---	---	20
21	---	---	0.007	0.018	0.020	0.232	2.55	0	0	0	---	---	21
22	---	---	0.008	0.018	0.020	0.015	2.46	0	0	0	---	---	22
23	---	---	0.008	0.018	0.020	0.050	2.47	0	0	0	---	---	23
24	---	---	0.008	0.018	1.80	0.075	2.49	0	0	0	---	---	24
25	---	---	0.010	0.018	2.55	0.045	2.46	0	0	0	---	---	25
26	---	0.005	0.011	0.014	2.77	0.020	2.39	0	0	0	---	---	26
27	---	0.005	0.011	0.014	2.82	0.140	2.30	0	0	0	---	---	27
28	---	0.005	0.012	0.013	2.86	0.025	2.47	0	0.100	0	---	---	28
29	---		0.013	0.013	2.82	0.025	2.43	0	0.004	0	---	---	29
30	---		0.013	0.013	2.81	0.024	2.36	0	0	0	---	---	30
31	---		0.014		2.77		2.36	0		0		---	31
TOTAL	---	---	0.220	0.487	23.463	34.586	32.577	13.127	0.104	0	---	---	TOTAL
MEAN	---	---	0.007	0.017	0.757	1.15	1.05	0.423	0.003	0	---	---	MEAN
MAX	---	---	0.014	0.020	2.86	2.73	2.55	2.25	0.100	0	---	---	MAX
MIN	---	---	0.005	0.013	0.003	0.015	0.003	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.427
MAXIMUM DAILY, 2.86 ON MAY 26
MINIMUM DAILY, 0 ON AUG 11

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 18 18 N
LONG 107 48 10 W

REGULATED SINCE 1937

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 810
FEB	---	AUG	1 130
MAR	19.0	SEP	8.99
APR	42.9	OCT	0
MAY	2 030	NOV	---
JUN	2 990	DEC	---

TOTAL DISCHARGE, 9 030 dam³

NORBURY CREEK NEAR SPIRITWOOD - STATION NO. 05AE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	1.18	0.004	0.005	B	0	0	---	---	1
2	---	---	0B	0 B	1.12	0.006	0.001	B	0	0	---	---	2
3	---	---	0B	0 B	1.09	0.002	0.006	0	0	0	---	---	3
4	---	---	0B	0 B	1.07	0.002	0.002	0	0	0	---	---	4
5	---	---	0B	0 B	1.05	0.017	0.004	0	0	0	---	---	5
6	---	---	0B	0 B	0.980	0.018	0.005	0	0	0	---	---	6
7	---	---	0B	0 B	0.930	0.018	0.004	0	0	0	---	---	7
8	---	---	0B	0 B	0.825	0.015	0.003	0	0	0	---	---	8
9	---	---	0B	0 B	0.784	0.012	0.005	0	0	0	---	---	9
10	---	---	0B	0 B	0.732	0.010	0.006	0	0	0	---	---	10
11	---	---	0B	0 B	0.685	0.008	0.005	0	0	0	---	---	11
12	---	---	0B	0 B	0.606	0.004	0.051	0	0	0	---	---	12
13	---	---	0B	0 B	0.525	0.005	0.035	0	0	0	---	---	13
14	---	---	0B	0 B	0.465	0.011	0.028	0	0	0	---	---	14
15	---	---	0B	0 B	0.382	0.009	0.020	0	0	0	---	---	15
16	---	---	0B	0 B	0.351	0.003	0.010	0	0	0	---	---	16
17	---	---	0B	0 B	0.326	0.001	0.002	0	0	0	---	---	17
18	---	---	0B	0 B	0.290	0	0.001	0	0	0	---	---	18
19	---	---	0B	0.840B	0.273	0	0	0	0	0	---	---	19
20	---	---	0B	4.97 B	0.237	0	0	0	0	0	---	---	20
21	---	---	0B	4.97 B	0.219	0	0	0	0	0	---	---	21
22	---	---	0B	4.20 B	0.130	0	0	0	0	0	---	---	22
23	---	---	0B	3.28	0.027	0	0	0	0	0	---	---	23
24	---	---	0B	2.47	0.007	0.006	0	0	0	0	---	---	24
25	---	---	0B	1.88	0.001	0.007	0	0	0	0	---	---	25
26	---	---	0B	1.76	0.001	0.002	0	0	0	0	---	---	26
27	---	---	0B	1.55	0.001	0.002	0	0	0	0	---	---	27
28	---	---	0B	1.42	0.004	0.001	0	0	0	0	---	---	28
29	---		0B	1.38	0.002	0.001	0	0	0	0	---	---	29
30	---		0B	1.20	0.003	0.003	0	0	0	0	---	---	30
31	---		0B		0.004		0	0		0		---	31
TOTAL	---	---	0	30.070	14.340	0.183	0.187	0	0	0	---	---	TOTAL
MEAN	---	---	0	1.00	0.459	0.005	0.005	0	0	0	---	---	MEAN
MAX	---	---	0	4.97	1.18	0.018	0.051	0	0	0	---	---	MAX
MIN	---	---	0	0	0.001	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.182
MAXIMUM DAILY, 4.97B ON APR 20
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
5.06B AT 00:17 CST ON APR 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 21 17 N
LONG 107 26 01 W
DRAINAGE AREA, 432 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	17.0
FEB	---	AUG	0
MAR	0	SEP	0
APR	2 600	OCT	0
MAY	1 230	NOV	---
JUN	14.1	DEC	---

TOTAL DISCHARGE, 3 880 dam³

NORTH SASKATCHEWAN RIVER AT PRINCE ALBERT - STATION NO. 05GG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1340	160 B	103 B	1450	490	315	276	342	184	123	118	103 B	1
2	1330	154 B	103 B	1420	411	194	373	304	165	122	113	98.98	2
3	1320	147 B	104 B	1410	429	189	509	283	152	122	118	103 B	3
4	1310	139 B	105 B	1420	522	189	510	269	158	123	127	104 B	4
5	1310	127 B	106 B	1900	520	190	441	249	161A	123	136	105 B	5
6	1300	115 B	106 B	1500	479	187	397	237	165E	123	137	103 B	6
7	1460	109 B	107 B	1650	439	185	360	227	170E	125	132	95.48	7
8	1540	105 B	108 B	1690	401	205	348	219	163E	127	131	96.68	8
9	1550	98.68	104 B	1800	388	234	350	213	156A	128	136	101 B	9
10	1460	97.88	95.68	1980	367	242	383	192	160	129	142	99.78	10
11	1390	105 B	99.78	2180	382	242	408	178	167	124	146	98.28	11
12	1380	113 B	107 B	2710	377	252	511	178	163E	122	152	98.58	12
13	1340	118 B	110 B	3620	359	257	610	184	156A	119	152	101 B	13
14	1240	121 B	110 B	3840	352	255	621	185	151	117	146	97.88	14
15	1130	124 B	109 B	3700	351	247	588	178	137	122	138	94.38	15
16	1250	120 B	110 B	3650	348	238	580	165	128	125A	135 B	92.68	15
17	1470	112 B	112 B	3690	337	220	578	156	128	123A	137 B	92.38	17
18	1670	105 B	113 B	3670	338	201	531	151	128	117	131 B	93.58	18
19	1540	98.58	113 B	4450	340	179	487	147	133	115	122 B	90.89	19
20	1480	97.28	114 B	6080	347	178	444	141	142	139	115 B	91.09	20
21	1440	98.48	118 B	7800	341	218	410	137	145	154	111 B	90.38	21
22	1390	97.78	122 B	6180	335	235	378	143	138	154	110 B	88.28	22
23	1270	97.28	126 B	487	334	244	365	154	134	160	113 B	90.88	23
24	1270	97.18	128 B	412	306	254	367	158	137	167	108 B	84.38	24
25	1810	98.78	126 B	387	305	251	396	155	145	165	97.78	95.08	25
26	1440	102 B	129 B	341	307	252	410	154	151	150	97.48	101 B	26
27	1850	101 B	132 B	371	304	274	401	149	148	133	100 B	109 B	27
28	1830	103 B	135 B	469	304	265	387	155	137	121	98.78	118 B	28
29	1800		139 B	452	284	237	371	160	133	121	108 B	123 B	29
30	1800		143 B	462	273	231	386	158	129	121	110 B	123 B	30
31	1810		145 B		241		387	160		118		114 B	31
TOTAL	4 438	3 169.5	3 584.3	10 134	11 271	6 762	13 469	5 676	4 433	4 032	3 717.6	3 084.1	TOTAL
MEAN	143	113	115	338	364	225	434	190	148	130	124	99.5	MEAN
MAX	1650	1560	1450	7800	522	274	621	342	170	167	153	123	MAX
MIN	113	95.4	95.6	141	241	178	276	137	128	115	97.4	80.6	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 203
MAXIMUM DAILY, 7800 ON APR 21
MINIMUM DAILY, 80.68 ON DEC 23

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 12 10 N
LONG 105 46 06 W
DRAINAGE AREA, 131 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1962

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	383 000	JUL	1 180 000
FEB	273 000	AUG	508 000
MAR	310 000	SEP	383 000
APR	876 000	OCT	348 000
MAY	974 000	NOV	321 000
JUN	584 000	DEC	266 000

TOTAL DISCHARGE, 6 380 000 dam³

NORTH SASKATCHEWAN RIVER NEAR DEER CREEK - STATION NO. 05EF001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1890	101 B	110 B	1240	445	179	372	206	165	108	118	99.78	1
2	1810	96.68	112 B	1230	406	177	328	203	162	117	123	102 B	2
3	1790	89.48	95.78	1330	371	218	324	193	142	115	134	104 B	3
4	1800	95.48	91.68	1480	330	247	319	188	134	122	131	105 B	4
5	1800	108 B	108 B	1840	315	285	328	186	152	112	141	108 B	5
6	1540	117 B	109 B	2900	345	251	385	162	143	110	137	107 B	6
7	1490	117 B	111 B	2890	332	267	429	181	127	105	144	105 B	7
8	1310	126 B	105 B	2670	327	271	548	186	134	104	143	109 B	8
9	1170	127 B	108 B	2620	316	266	584	184	123	107	135	108 B	9
10	1460	117 B	109 B	2720	322	259	541	146	113	117	143	107 B	10
11	1590	110 B	110 B	2740	315	251	512	132	104	115	159	108 B	11
12	1580	100 B	110 B	2890	307	224	523	128	110	108	128	104 B	12
13	1480	98.08	110 B	2160	314	178	495	119	120	107	109	103 B	13
14	1370	88.78	112 B	3020	316	185	435	121	124	128	111	102 B	14
15	1340	98.38	115 B	2740	323	182	404	108	132	150	103 B	102 B	15
16	1340	103 B	117 B	2400	314	241	342	116	129	133	97.78	103 B	16
17	1090	98.68	123 B	2900	309	245	320	132	118	144	96.68	105 B	17
18	1140	102 B	119 B	3680	301	251	293	144	129	152	75.18	105 B	18
19	1810	105 B	117 B	335	285	249	308	143	135	156	82.78	104 B	19
20	1850	107 B	120 B	291	279	235	359	141	146	139	102 B	105 B	20
21	1560	108 B	124 B	256	283	246	373	134	138	119	101 B	105 B	21
22	1570	111 B	126 B	237	295	261	384	140	132	113	94.08	105 B	22
23	1530	108 B	134 B	275	299	232	365	146	120	114	112 B	105 B	23
24	1520	110 B	135 B	275	291	211	356	144	118	117	110 B	105 B	24
25	1550	111 B	130 B	382	274	215	320	181	111	111	108 B	104 B	25
26	1550	112 B	122 B	422	227	280	337	158	110	110	107 B	104 B	26
27	1460	109 B	112 B	365	196	333	323	153	111	102	109 B	104 B	27
28	1390	110 B	120 B	333	189	486	279	138	107	102	111 B	104 B	28
29	1330		120 B	418	179	512	252	153	108	117	103 B	104 B	29
30	1150		120 B	491	181	415	246	149	113	134	102 B	104 B	30
31	1040		121 B		181		221	149		128		104 B	31
TOTAL	4 511	2 980.2	3 574.3	8 705	8 180	7 810	11 577	4 621	3 811	3 716	3 455.1	3 239.7	TOTAL
MEAN	146	107	115	290	285	260	373	149	127	120	115	105	MEAN
MAX	1810	127	135	491	449	512	588	206	165	156	159	159	MAX
MIN	1040	88.4	91.6	123	169	165	221	108	104	102	75.1	99.7	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 184
MAXIMUM DAILY, 588 ON JUL 9
MINIMUM DAILY, 75.18 ON NOV 16
MAXIMUM INSTANTANEOUS,
610 AT 13:18 CST ON JUL 9

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 31 00 N
LONG 106 36 40 W
DRAINAGE AREA, 57 000 km²

B - ICE CONDITIONS

REGULATED SINCE 1962

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	380 000	JUL	1 000 000
FEB	268 000	AUG	399 000
MAR	309 000	SEP	329 000
APR	752 000	OCT	321 000
MAY	781 000	NOV	298 000
JUN	675 000	DEC	280 000

TOTAL DISCHARGE, 5 800 000 dam³

MOTUKEU CREEK ABOVE ADMIRAL RESERVOIR - STATION NO. 05J0004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.0040	0.034	0.080	0.005	0	0	0	0	---	---	1
2	---	0 B	0.0038	0.010	0.051	0.006	0	0	0	0	---	---	2
3	---	0 B	0.0720	0.483	0.048	0.005	0	0	0	0	---	---	3
4	---	0 B	0.0890	0.302	0.038	0.004	0	0	0	0	---	---	4
5	---	0 B	0.0480	0.327	0.033	0.003	0	0	0	0	---	---	5
6	---	0 B	0.0270	0.270	0.024	0.003	0	0	0	0	---	---	6
7	---	0 B	0.0240	0.217	0.020	0.003	0	0	0	0	---	---	7
8	---	0 B	0.0210	0.204	0.020	0.002	0	0	0	0	---	---	8
9	---	0 B	0.0140	0.171	0.053	0.002	0	0	0	0	---	---	9
10	---	0 B	0.0660	0.207	0.342	0.001	0	0	0	0	---	---	10
11	---	0 B	0.1230	0.208	0.158	0.002	0.010	0	0	0	---	---	11
12	---	0 B	0.0840	0.167	0.127	0.002	0.012	0	0	0	---	---	12
13	---	0.1000	0.0560	0.154	0.030	0.002	0.007	0	0	0	---	---	13
14	---	0.5000	0.0580	0.101	0.057	0.002	0.004	0	0	0	---	---	14
15	---	0.9000	0.0700	0.161	0.050	0.001	0.002	0	0	0	---	---	15
16	---	1.00 B	0.0650	0.102	0.044	0.001	0.002	0	0	0	---	---	16
17	---	0.9000	0.0530	0.150	0.042	0	0.001	0	0	0	---	---	17
18	---	0.6500	0.0200	0.148	0.040	0	0.001	0	0	0	---	---	18
19	---	0.7000	0.0160	0.143	0.027	0	0.001	0	0	0	---	---	19
20	---	0.4500	0.0100	0.132	0.026	0	0.001	0	0	0	---	---	20
21	---	0.2800	0.0150	0.128	0.022	0	0.002	0	0	0	---	---	21
22	---	0.1800	0.0120	0.107	0.020	0	0.004	0	0	0	---	---	22
23	---	0.0540	0.0130	0.140	0.020	0	0.002	0	0	0	---	---	23
24	---	0.0580	0.0280	0.110	0.017	0	0.001	0	0	0	---	---	24
25	---	0.0300	0.0230	0.110	0.015	0	0.001	0	0	0	---	---	25
26	---	0.1100	0.0210	0.127	0.013	0	0 A	0	0	0	---	---	26
27	---	0.0880	0.0510	0.140	0.011	0	0	0	0	0	---	---	27
28	---	0.0510	0.3800	0.111	0.009	0	0	0	0	0	---	---	28
29	---		1.10 B	0.088	0.007	0	0	0	0	0	---	---	29
30	---		1.80 B	0.088	0.005	0	0	0	0	0	---	---	30
31	---		1.70		0.006		0	0		0		---	31
TOTAL	---	5.307	6.932	5.976	1.484	0.043	0.058	0	0	0	---	---	TOTAL
MEAN	---	0.225	0.210	0.210	0.048	0.001	0.002	0	0	0	---	---	MEAN
MAX	---	1.00	1.80	0.934	0.342	0.006	0.010	0	0	0	---	---	MAX
MIN	---	0	0.012	0.088	0.006	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.080
MAXIMUM DAILY, 1.800 ON MAR 30
MINIMUM DAILY, 0 ON JUN 17
MAXIMUM INSTANTANEOUS,
3.85 AT 21:04 CST ON MAR 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 42 32 N
LONG 108 07 31 W
DRAINAGE AREA, 483 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	5.01
FEB	845	AUG	0
MAR	924	SEP	0
APR	598	OCT	0
MAY	128	NOV	---
JUN	3.72	DEC	---

TOTAL DISCHARGE, 1 270 dam³

REMARKS - SIGNIFICANT RUNOFF OCCURRED IN FEBRUARY, OUTSIDE THE STANDARD PERIOD

MOTUKEU CREEK NEAR VANGUARD - STATION NO. 05J0001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0.0100	1.12 B	19.0 B	0.830	0.422	0.014	0.008	0.005	0.040	0.048	---	1
2	---	0.0100	1.04 B	26.0 B	0.840	0.378	0.022	0.072	0.005	0.041	0.047	---	2
3	---	0.0100	0.8210	19.5	0.833	0.368	0.038	0.087	0.005	0.038	0.050A	---	3
4	---	0.0100	0.6500	16.0	0.830	0.365	0.035	0.074	0.005	0.023	---	---	4
5	---	0.0100	0.5910	12.5	0.814	0.329	0.031	0.032	0.005	0.014	---	---	5
6	---	0.0100	0.4870	10.0	0.801	0.304	0.020	0.042	0.005	0.009	---	---	6
7	---	0.0100	0.3780	7.31	0.487	0.223	0.018	0.008	0.005	0.007	---	---	7
8	---	0.0100	0.4730	6.48	0.484	0.193	0.011	0.071	0.005	0.007	---	---	8
9	---	0.0100	0.4170	5.32	0.500	0.089	0.038	0.083	0.005	0.007	---	---	9
10	---	0.0100	0.4440	5.94	0.833	0.097	0.120	0.051	0.005	0.010	---	---	10
11	---	0.0100	0.4770	5.57	0.951	0.187	0.204	0.041	0.005	0.011	---	---	11
12	---	0.0200	0.4070	5.44	1.46	0.176	0.195	0.029	0.005	0.012	---	---	12
13	---	0.0300	0.7840	3.45	1.53	0.142	0.151	0.021	0.005	0.015	---	---	13
14	---	0.0500	1.04 B	2.72	1.63	0.304	0.274	0.022	0.005	0.018	---	---	14
15	---	0.0630	1.25 B	2.45	1.44	0.302	0.488	0.018	0.005	0.021	---	---	15
16	---	0.1000	0.4030	2.85	1.30	0.307	0.275	0.018	0.005	0.024	---	---	16
17	---	0.1900	0.3270	2.56	1.24	0.288	0.295	0.010	0.005	0.026	---	---	17
18	---	0.2140	0.3510	2.85	1.16	0.217	0.248	0.009	0.005	0.028	---	---	18
19	---	0.4410	0.2740	3.56	1.13	0.248	0.170	0.006	0.005	0.032	---	---	19
20	---	0.3780	0.2430	9.87	1.06	0.235	0.129	0.005	0.005	0.038	---	---	20
21	---	0.3420	0.3360	4.67	0.937	0.235	0.133	0.005	0.005	0.038	---	---	21
22	---	0.4790	0.4740	1.34	0.884	0.189	0.086	0.005	0.005	0.027	---	---	22
23	---	0.7670	0.4300	0.882	0.808	0.184	0.028	0.005	0.005	0.041	---	---	23
24	---	0.8550	0.3870	0.807	0.786	0.086	0.030	0.005	0.005	0.042	---	---	24
25	---	0.6380	0.3720	0.806	0.798	0.027	0.030	0.005	0.005	0.041	---	---	25
26	---	0.5180	0.3430	0.847	0.853	0.011	0.020	0.010	0.005	0.040	---	---	26
27	---	0.5320	0.3000	0.807	0.800	0.005	0.034	0.005	0.005	0.035	---	---	27
28	---	0.5180	0.4000	0.784	0.852	0.002	0.048	0.005	0.005	0.028	---	---	28
29	---		1.57 B	0.781	0.527	0.004	0.037	0.007	0.018	0.030	---	---	29
30	---		1.97 B	0.849	0.497	0.015	0.048	0.005	0.040	0.037	---	---	30
31	---		4.05 B		0.488		0.084	0.005		0.045		---	31
TOTAL	---	8.008	22.618	102.912	35.877	6.008	3.480	0.910	0.198	0.894	---	---	TOTAL
MEAN	---	0.218	0.730	4.10	0.835	0.180	0.112	0.030	0.007	0.027	---	---	MEAN
MAX	---	0.787	4.05	26.0	1.83	0.432	0.488	0.088	0.040	0.845	---	---	MAX
MIN	---	0.010	0.263	0.806	0.488	0.002	0.811	0.005	0.005	0.007	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.888
MAXIMUM DAILY, 26.0 ON APR 2
MINIMUM DAILY, 0.002 ON JUN 26
MAXIMUM INSTANTANEOUS,
29.50 AT 00:20 CST ON APR 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 05 03 N
LONG 107 11 08 W
DRAINAGE AREA, 3 830 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	301
FEB	537	AUG	70.0
MAR	1 380	SEP	10.0
APR	15 800	OCT	71.3
MAY	2 240	NOV	---
JUN	402	DEC	---

TOTAL DISCHARGE, 20 900 dam³

REMARKS - SOME RUNOFF OCCURRED IN FEBRUARY, OUTSIDE THE STANDARD PERIOD

OPUNTIA LAKE WEST INFLOW - STATION NO. 05BC007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.12 B	0	0	0	0	0	0	---	---	1
2	---	---	0 B	1.12	0	0	0	0	0	0	---	---	2
3	---	---	0 B	1.02	0	0	0.006	0	0	0	---	---	3
4	---	---	0 B	0.748	0	0	0.008	0	0	0	---	---	4
5	---	---	0 B	0.384	0	0	0.001	0	0	0	---	---	5
6	---	---	0 B	0.388	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0.114	0	0	0	0	0	0	---	---	7
8	---	---	0 B	0.060	0	0	0	0	0	0	---	---	8
9	---	---	0 B	0.027	0	0	0	0	0	0	---	---	9
10	---	---	0 B	0.004	0	0	0	0	0	0	---	---	10
11	---	---	0 B	0.002	0	0	0	0	0	0	---	---	11
12	---	---	0 B	0.003	0	0	0	0	0	0	---	---	12
13	---	---	0.0479	0.008	0	0	0	0	0	0	---	---	13
14	---	---	0.1188	0.008	0	0	0	0	0	0	---	---	14
15	---	---	0.1389	0.018	0	0	0	0	0	0	---	---	15
16	---	---	0.1438	0.050	0	0	0	0	0	0	---	---	16
17	---	---	0.0918	0.025	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0.006	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0.005	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0.003	0	0	0	0	0	0	---	---	20
21	---	---	0 B	0.002	0	0	0	0	0	0	---	---	21
22	---	---	0 B	0.001	0	0	0	0	0	0	---	---	22
23	---	---	0 B	0.001	0	0	0	0	0	0	---	---	23
24	---	---	0 B	0	0	0	0	0	0	0	---	---	24
25	---	---	0 B	0.001	0	0	0	0	0	0	---	---	25
26	---	---	0 B	0.001	0	0	0	0	0	0	---	---	26
27	---	---	0.0188	0.001	0	0	0	0	0	0	---	---	27
28	---	---	0.3738	0	0	0	0	0	0	0	---	---	28
29	---		0.8728	0	0	0	0	0	0	0	---	---	29
30	---		0.8918	0	0	0	0	0	0	0	---	---	30
31	---		0.7548		0		0	0		0		---	31
TOTAL	---	---	3.644	5.351	0	0	0.015	0	0	0	---	---	TOTAL
MEAN	---	---	0.118	0.178	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.891	1.82	0	0	0.008	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.038
MAXIMUM DAILY, 1.82 ON APR 3
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
3.478 AT 10:40 CST ON MAR 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 47 15 N
LONG 101 37 30 W
DRAINAGE AREA, 94.5 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1.30
FEB	---	AUG	0
MAR	306	SEP	0
APR	462	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 780 dam³

OSCAR CREEK NEAR KRYDOR - STATION NO. 05BD003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0488	0.0838	0.874	0.081	0.018	0.002	0.002	0.002	0.030	---	1
2	---	---	0.0488	0.0728	0.801	0.048	0.008	0.008	0.001	0.001	0.038A	---	2
3	---	---	0.0488	0.0888	0.884	0.044	0.003	0.002	0.002	0.001	---	---	3
4	---	---	0.0488	0.1008	0.882	0.042	0.043	0	0.001	0.001	---	---	4
5	---	---	0.0488	0.1108	0.884	0.040	0.001	0.002	0.103	0.001	---	---	5
6	---	---	0.0488	0.1388	0.829	0.038	0.108	0.006	0.002	0.003	---	---	6
7	---	---	0.0488	0.1588	0.447	0.036	0.050	0.002	0.001	0.001	---	---	7
8	---	---	0.0488	0.1788	0.408	0.034	0.005	0	0.001	0.002	---	---	8
9	---	---	0.0488	0.1408	0.368	0.040	0.007	0.001	0.003	0.001	---	---	9
10	---	---	0.0488	0.1108	0.388	0.038	0.012	0	0.002	0.003	---	---	10
11	---	---	0.0488	0.0888	0.388	0.033	0.010	0	0.001	0.003	---	---	11
12	---	---	0.0488	0.0718	0.354	0.018	0.007	0.001	0.001	0.002	---	---	12
13	---	---	0.0488	0.0588	0.325	0.018	0.012	0.003	0.001	0.002	---	---	13
14	---	---	0.0488	0.0848	0.300	0.010	0.011	0.004	0.001	0.001	---	---	14
15	---	---	0.0488	0.1388	0.190	0.006	0.003	0.003	0.001	0.001	---	---	15
16	---	---	0.0478	0.1588	0.180	0.007	0.013	0.00;	0.001	0.001	---	---	16
17	---	---	0.0478	0.2428	0.170	0.001	0.009	0.002	0.002	0.002	---	---	17
18	---	---	0.0478	0.4898	0.168	0	0.028	0.001	0.001	0.001	---	---	18
19	---	---	0.0478	1.00 B	0.160	0	0.028	0	0.001	0.001	---	---	19
20	---	---	0.0478	1.31 B	0.130	0.004	0.041	0.001	0.001	0.001	---	---	20
21	---	---	0.0478	0.8088	0.120	0.004	0.041	0.002	0.001	0	---	---	21
22	---	---	0.0478	0.6788	0.110	0.002	0.041	0.002	0	0.001	---	---	22
23	---	---	0.0478	0.3138	0.102	0.002	0.040	0.001	0	0.028	---	---	23
24	---	---	0.0478	0.0778	0.098	0	0.040	0.001	0	0.001	---	---	24
25	---	---	0.0478	1.72 B	0.087	0	0.040	0.004	0	0.002	---	---	25
26	---	---	0.0478	1.82	0.078	0	0.038	0.001	0	0.013	---	---	26
27	---	---	0.0488	1.38	0.073	0	0.038	0.002	0	0.014	---	---	27
28	---	---	0.0488	1.14	0.068	0.006	0.078	0.006	0	0.040	---	---	28
29	---		0.0488	0.883	0.063	0.007	0.037	0.008	0.001	0.030	---	---	29
30	---		0.0528	0.778	0.058	0.003	0.031	0.008	0.001	0.030	---	---	30
31	---		0.0578		0.055		0.003	0.004		0.032		---	31
TOTAL	---	---	1.491	15.065	8.011	0.524	0.852	0.089	0.032	0.181	---	---	TOTAL
MEAN	---	---	0.048	0.515	0.258	0.017	0.027	0.002	0.001	0.008	---	---	MEAN
MAX	---	---	0.057	1.72	0.874	0.081	0.108	0.008	0.003	0.040	---	---	MAX
MIN	---	---	0.047	0.068	0.055	0	0.001	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.106
MAXIMUM DAILY, 1.720 ON APR 25
MINIMUM DAILY, 0 ON JUN 10
MAXIMUM INSTANTANEOUS,
2.720 AT 13:00 CST ON APR 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 48 27 N
LONG 107 07 41 W
DRAINAGE AREA, 240 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	73.6
FEB	---	AUG	6.08
MAR	128	SEP	2.70
APR	1 230	OCT	10.8
MAY	883	NOV	---
JUN	48.3	DEC	---

TOTAL DISCHARGE, 2 300 dam³

OTHERSIDE RIVER AT OUTLET OF MERCREDI LAKE - STATION NO. 07LE004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	8.83	8.92	9.30	8.81	20.9	15.5	15.6	13.2	14.1E	16.4E	16.5	12.9	1
2	8.58	8.92	9.18	9.01	21.0	15.1	15.3	13.2	14.3E	16.8E	16.6	12.7	2
3	8.59	8.83	9.18	9.47	20.7	15.0	15.0	13.6	14.4E	16.8E	16.5	12.6	3
4	8.83	8.92	9.14	9.82	20.4	14.9	14.2	12.8	14.6E	16.8E	16.2	11.8	4
5	8.82	8.43	8.95	10.2	20.0	14.7	13.8	12.9	14.8E	16.7E	16.0	11.7	5
6	8.83	8.30	8.82	10.6	18.8	14.8	13.1	13.0	14.8E	16.7E	16.1	11.7	6
7	8.80	8.28	8.76	10.9	18.3	15.0	13.1	12.8	15.1E	16.8E	16.0	11.8	7
8	9.08	8.28	8.71	10.9	18.0	15.0	13.1	12.7	15.2E	16.8E	15.9	11.7	8
9	9.08	8.28	8.68	10.8	18.6	15.6	12.5	12.9	15.3E	16.8E	15.8	11.3	9
10	8.84	8.28	8.58	10.8	18.4	16.0	12.1	12.8	15.4E	16.8E	15.3	10.9	10
11	8.55	8.34	8.56	10.8	18.3	16.2	12.0	12.7	15.6E	16.8E	14.8	10.8	11
12	8.35	8.48	8.70	10.6	18.1	16.6	12.2	12.1	15.6E	16.8E	14.8	10.7	12
13	8.17	8.57	8.68	10.7	17.7	16.8	12.0	11.0	15.6E	16.9	14.8	10.7	13
14	8.18	8.53	8.87	10.7	17.5	17.5	12.1	11.5	15.6E	17.3	14.3	10.6	14
15	8.18	8.52	8.85	10.8	17.4	18.1	12.1	11.4	15.7E	17.3	14.3	10.3	15
16	8.12	8.54	8.72	10.8	17.0	18.3	11.7	11.3	15.7E	16.8	14.3	10.0	16
17	8.06	8.58	8.87	10.7	16.7	18.8	11.7	11.2	15.8E	17.0	14.4	9.84	17
18	8.07	8.53	8.83	10.9	16.5	19.1	11.8	11.1	15.8E	17.0	14.0	9.73	18
19	8.22	8.73	8.88	11.1	16.4	19.2	12.0	11.3	16.0E	17.0	14.4	9.85	19
20	8.17	8.67	8.81	11.6	16.4	19.1	12.3	11.6	16.0E	16.8	14.4	9.99	20
21	8.31	8.61	8.55	11.8	16.2	18.7	12.7	11.7	16.0E	16.8	14.8	9.48	21
22	8.52	8.85	8.52	12.5	15.6	18.9	12.1	12.1	16.0E	16.8	14.4	9.38	22
23	8.58	9.11	8.51	13.4	15.6	18.2	12.0	12.7A	16.0E	16.5	14.3	9.28	23
24	8.47	9.28	8.50	14.5	15.9	18.0	12.0	13.0E	16.0E	16.3	14.0	9.07	24
25	8.43	9.48	8.50	15.8	16.2	18.1	11.9	13.2E	16.1E	16.8	13.7	9.05	25
26	8.36	9.55	8.48	17.2	16.0	17.2	12.0	13.3E	16.1E	16.6	13.8	9.08	26
27	8.48	9.48	8.45	18.6	15.9	16.9	12.6	13.6E	16.1E	16.8	13.8	9.12	27
28	8.48	9.38	8.47	20.0	15.7	16.5	12.7	13.7E	16.2E	16.8	13.4	9.23	28
29	8.50		8.50	20.6	15.9	16.2	12.8	13.8E	16.3E	16.8	13.4	9.31	29
30	8.87		8.50	21.0	15.8	16.1	12.8	13.8E	16.3E	16.7	13.2	9.40	30
31	8.87		8.48		15.6		13.0	14.0E		16.6		9.54	31
TOTAL	263.80	244.94	269.88	374.21	543.7	505.8	394.5	390.1	466.5	520.0	443.1	322.86	TOTAL
MEAN	8.51	8.75	8.70	12.5	17.5	16.9	12.7	12.6	15.6	16.8	14.8	10.4	MEAN
MAX	9.08	9.55	9.30	21.0	21.0	19.2	15.6	14.0	16.6	17.3	16.6	12.9	MAX
MIN	8.06	8.28	8.46	8.81	15.6	14.7	11.7	11.0	14.1	16.3	13.2	9.05	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 13.0
MAXIMUM DAILY, 21.0 ON APR 30
MINIMUM DAILY, 8.06 ON JAN 17
MAXIMUM INSTANTANEOUS,
21.1 AT 08:38 CST ON MAY 2

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 55 40 N
LONG 107 20 20 W
DRAINAGE AREA, 2 700 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	22 800	JUL	34 100
FEB	21 200	AUG	33 700
MAR	23 300	SEP	40 300
APR	32 300	OCT	44 900
MAY	47 000	NOV	38 300
JUN	43 700	DEC	27 900

TOTAL DISCHARGE, 410 900 dam³

OVERFLOWING RIVER NEAR HUDSON BAY - STATION NO. 05LC003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.180B	0.184B	3.84	1.49	2.09	2.53	0.082	2.03	0.705	---	1
2	---	---	0.182B	0.168B	3.36	1.42	2.87	2.34	0.080	1.95	0.883A	---	2
3	---	---	0.184B	0.160B	3.12	3.22	5.38	2.10	0.134	1.87	---	---	3
4	---	---	0.168B	0.168B	2.76	7.00A	9.12	1.86	0.118	1.80	---	---	4
5	---	---	0.168B	0.170B	2.73	10.2 A	13.0	1.80	0.265	1.75	---	---	5
6	---	---	0.170B	0.178B	2.54	10.1	15.8	1.85	0.608	1.70	---	---	6
7	---	---	0.172B	0.180B	1.98	9.12	14.0	1.63	0.763	1.82	---	---	7
8	---	---	0.176B	0.210B	1.63	7.90	10.4	1.33	0.773	1.88	---	---	8
9	---	---	0.176B	0.240B	1.86	6.00	8.41	1.20	0.717	1.48	---	---	9
10	---	---	0.168B	0.230B	2.02	6.00	7.24	1.07	1.31	1.44	---	---	10
11	---	---	0.204B	0.210B	2.08	5.17	7.36	0.953	1.53	1.40	---	---	11
12	---	---	0.211B	0.160B	2.16	4.75	7.10	0.801	1.56	1.36	---	---	12
13	---	---	0.206B	0.117B	2.23	5.61	6.00	0.836	1.76	1.32	---	---	13
14	---	---	0.175B	0.106B	2.40	7.22	5.78	0.767	1.72	1.26	---	---	14
15	---	---	0.172B	0.088B	2.38	6.23	5.76	0.885	1.80	1.21	---	---	15
16	---	---	0.175B	0.078B	2.20	6.05	5.70	0.732	1.78	1.18	---	---	16
17	---	---	0.164B	0.117B	2.11	7.28	7.67	0.723	1.79	1.12	---	---	17
18	---	---	0.167B	0.235B	2.11	6.47	8.03	0.671	2.01	1.06	---	---	18
19	---	---	0.168B	0.824B	2.27	5.51	7.70	0.501	2.36	0.975	---	---	19
20	---	---	0.170B	0.823B	2.52	4.66	6.61	0.383	2.87	0.939	---	---	20
21	---	---	0.184B	1.50 B	2.80	4.01	6.07	0.249	3.41	0.922	---	---	21
22	---	---	0.184B	2.76 B	3.15	3.63	5.86	0.237	4.76	0.918	---	---	22
23	---	---	0.168B	3.08 B	3.16	3.18	5.40	0.237	5.30	0.863	---	---	23
24	---	---	0.168B	3.70 B	2.68	2.80	4.84	0.303	5.19	0.801	---	---	24
25	---	---	0.197B	4.81 B	2.66	2.57	4.33	0.240	4.81	0.881	---	---	25
26	---	---	0.152B	5.82 B	2.44	2.32	4.02	0.288	4.03	0.830	---	---	26
27	---	---	0.168B	5.29	2.16	2.10	3.46	0.300	2.53	0.816	---	---	27
28	---	---	0.173B	4.41	2.00	2.04A	2.82	0.312	2.06	0.775	---	---	28
29	---		0.173B	3.84	1.83	1.98A	2.67	0.267	2.63	0.718	---	---	29
30	---		0.168B	3.77	1.82	1.85	2.38	0.136	2.31	0.718	---	---	30
31	---		0.205B		1.86		2.38	0.112		0.714		---	31
TOTAL	---	---	5.457	43.487	74.99	153.36	202.01	27.005	62.831	38.186	---	---	TOTAL
MEAN	---	---	0.176	1.45	2.42	5.11	6.52	0.871	2.10	1.23	---	---	MEAN
MAX	---	---	0.211	5.82	3.84	10.2	15.8	2.53	5.30	2.03	---	---	MAX
MIN	---	---	0.153	0.088	1.86	1.42	2.09	0.112	0.080	0.714	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.48
MAXIMUM DAILY, 15.8 ON JUL 6
MINIMUM DAILY, 0.0880 ON APR 15
MAXIMUM INSTANTANEOUS,
17.8 AT 17:32 CST ON JUL 6

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 01 51 N
LONG 102 18 56 W
DRAINAGE AREA, 349 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	17 500
FEB	---	AUG	2 330
MAR	471	SEP	5 440
APR	3 700	OCT	3 300
MAY	6 400	NOV	---
JUN	13 200	DEC	---

TOTAL DISCHARGE, 52 800 dam³

PASAYTO RIVER AT OUTLET OF PASAYTO LAKE - STATION NO. 08EA007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.140	1.510	1.070	1.080	2.72	5.99	9.78	8.21	4.82	27.0E	12.0 E	7.84E	1
2	2.130	1.900	1.080	1.090	2.80	6.11	9.77	8.20	4.73	26.0E	11.8 E	7.58E	2
3	2.120	1.400	1.030	1.710	2.86	6.32	9.75	8.02	5.01	25.0E	11.6 E	7.48E	3
4	2.090	1.500	1.040	1.720	2.91	6.46	9.42	8.05	5.03	23.8E	11.4 E	7.40E	4
5	2.040	1.020	1.050	1.780	2.91	6.69	9.14	7.89	6.36	23.0E	11.2 E	7.32E	5
6	2.010	1.040	1.060	1.740	3.02	6.73	9.07	7.69	6.62	22.4E	11.0 E	7.24E	6
7	1.990	1.060	1.060	1.750	3.07	6.78	8.97	7.87	6.61	21.8E	10.9 E	7.18E	7
8	1.940	1.040	1.090	1.760	3.13	6.81	8.89	7.65	7.40	21.2E	10.7 E	7.08E	8
9	1.880	1.000	1.070	1.760	3.23	6.86	8.83	7.39	8.23	20.6E	10.5 E	7.00E	9
10	1.810	1.000	1.080	1.760	3.47	7.07	8.66	6.96	9.17	20.0E	10.3 E	6.90E	10
11	1.810	1.700	1.080	1.730	3.48	7.24	8.38	6.78	10.0 E	19.6E	10.1 E	6.80E	11
12	1.780	1.770	1.030	1.700	3.53	7.38	8.18	6.67	11.5 E	19.0E	9.95E	6.78A	12
13	1.710	1.730	1.000	1.710	3.64	8.30	8.01	6.38	13.0 E	18.5E	9.80E	6.69	13
14	1.680	1.700	1.070	1.700	3.70	8.22	7.84	6.13	15.0 E	18.0E	9.65E	6.52	14
15	1.660	1.080	1.060	1.700	3.78	8.77	7.69	5.94	18.0 E	17.4E	9.50E	6.27	15
16	1.640	1.710	1.080	1.700	3.80	10.2	7.60	5.75	22.0 E	17.0E	9.35E	6.03	16
17	1.640	1.690	1.060	1.700	3.85	10.7	7.67	5.73	26.0 E	16.6E	9.20E	5.71	17
18	1.630	1.660	1.030	1.700	4.00	11.0	7.65	5.62	31.0 E	16.2E	9.05E	5.52	18
19	1.630	1.670	1.000	1.77	4.18	11.2	7.63	5.70	34.5 E	15.8E	8.95E	5.41	19
20	1.610	1.650	1.060	1.81	4.32	11.3	7.75	5.67	36.5 E	15.4E	8.80E	5.28	20
21	1.600	1.630	1.040	1.81	4.81	11.3	7.80	5.38	37.5 E	15.0E	8.68E	5.21	21
22	1.630	1.640	1.050	1.86	4.88	11.3	7.79	5.23	37.5 E	14.7E	8.55E	5.17	22
23	1.690	1.690	1.030	1.89	4.78	11.0	7.60	5.20	37.0 E	14.4E	8.45E	5.11	23
24	1.650	1.710	1.040	2.10	4.82	10.8	7.55	5.05	36.0 E	14.1E	8.35E	5.06	24
25	1.600	1.740	1.040	2.28	4.80	10.8	7.55	5.00	34.5 E	13.8E	8.25E	5.03	25
26	1.580	1.750	1.060	2.63	5.09	10.6	7.75	4.96	33.0 E	13.5E	8.15E	5.02	26
27	1.580	1.720	1.080	2.62	5.06	10.4	8.08	4.89	32.0 E	13.2E	8.08E	5.02	27
28	1.580	1.680	1.010	2.66	5.09	10.3	8.33	4.86	30.5 E	12.9E	7.95E	4.96	28
29	1.620		1.050	2.65	5.35	10.3	8.30	4.70	29.0 E	12.7E	7.85E	4.82	29
30	1.630		1.090	2.69	5.61	10.1	8.39	4.87	28.0 E	12.5E	7.74E	4.80	30
31	1.610		1.090		5.46		8.34	4.73		12.3E		4.78	31
TOTAL	54.43	46.30	49.09	57.97	133.75	289.05	258.35	193.36	618.30	553.4	287.74	188.82	TOTAL
MEAN	1.76	1.65	1.61	1.83	3.89	8.97	8.33	6.21	20.6	17.9	9.59	6.06	MEAN
MAX	2.14	1.77	1.09	2.66	5.46	11.3	9.78	8.21	37.5	27.0	12.0	7.84	MAX
MIN	1.61	1.48	1.03	1.69	2.72	5.99	7.55	4.73	4.82	12.3	7.74	4.78	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.46
MAXIMUM DAILY, 37.5E ON SEP 21
MINIMUM DAILY, 1.48B ON FEB 3

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 05 40 N
LONG 102 30 30 W
DRAINAGE AREA, 980 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 700	JUL	22 300
FEB	3 990	AUG	16 600
MAR	4 320	SEP	53 400
APR	5 010	OCT	47 800
MAY	10 700	NOV	24 900
JUN	23 200	DEC	16 300

TOTAL DISCHARGE, 233 000 dam³

PAGE CREEK NEAR IFFLEY - STATION NO 05EE004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.1398	2.10	0.246	1.11	0.077	0.001	0.001	---	---	1
2	---	---	0 B	0.4378	1.67	0.084	1.38	0.005	0.001	0.001	---	---	2
3	---	---	0 B	0.7008	1.30	0.028	1.05	0.004	0.001	0.001	---	---	3
4	---	---	0 B	0.6388	1.13	0.011	1.00	0.020	0.001	0.001	---	---	4
5	---	---	0 B	0.7068	0.987	0.003	1.25	0.033	0.001	0.001	---	---	5
6	---	---	0 B	0.9018	0.851	0.001	0.956	0.001	0.001	0.001	---	---	6
7	---	---	0 B	1.38 B	0.781	0.001	0.746	0.001	0.001	0.001	---	---	7
8	---	---	0 B	2.00 B	0.696	0.022	0.439	0.001	0.001	0.001	---	---	8
9	---	---	0 B	2.48 B	0.631	0.007	0.306	0.001	0.001	0.001	---	---	9
10	---	---	0 B	2.06 B	0.546	0.002	0.239	0.001	0.001	0.001	---	---	10
11	---	---	0 B	2.03 B	0.535	0.006	0.202	0.001	0.001	0.001	---	---	11
12	---	---	0 B	2.31 B	0.452	0.006	0.206	0.001	0.001	0.001	---	---	12
13	---	---	0 B	3.16 B	0.378	0.007	0.228	0.001	0.001	0.001	---	---	13
14	---	---	0 B	2.03 B	0.186	0.006	0.206	0.001	0.001	0.001	---	---	14
15	---	---	0 B	1.69 B	0.183	0.006	0.249	0.001	0.001	0.001	---	---	15
16	---	---	0 B	1.98 B	0.218	0.006	0.257	0.001	0.001	0.001	---	---	16
17	---	---	0.0088	1.84 B	0.232	0.006	0.278	0.001	0.001	0.001	---	---	17
18	---	---	0.1488	2.48	0.183	0.005	0.263	0.001	0.001	0.001	---	---	18
19	---	---	0.0398	2.94	0.107	0.002	0.268	0.001	0.001	0.001	---	---	19
20	---	---	0 B	3.78	0.062	0.006	0.263	0.001	0.001	0.001	---	---	20
21	---	---	0 B	3.41	0.006	0.006	0.239	0.001	0.001	0.001	---	---	21
22	---	---	0 B	3.58	0.105	0.013	0.218	0.001	0.001	0.001	---	---	22
23	---	---	0 B	4.71	0.064	0.018	0.195	0.001	0.001	0.001	---	---	23
24	---	---	0 B	3.80	0.071	0.054	0.178	0.001	0.001	0.001	---	---	24
25	---	---	0 B	3.30	0.078	0.095	0.159	0.001	0.001	0.001	---	---	25
26	---	---	0 B	3.85	0.095	0.819	0.137	0.001	0.001	0.001	---	---	26
27	---	---	0 B	3.58	0.063	1.19	0.121	0.001	0.001	0.001	---	---	27
28	---	---	0 B	3.33	0.033	1.44	0.108	0.001	0.001	0.005	---	---	28
29	---		0 B	3.80	0.009	1.41	0.102	0.001	0.001	0.041	---	---	29
30	---		0 B	3.84	0.054	1.30	0.103	0.001	0.001	0.048	---	---	30
31	---		0.0278		0.251		0.095	0.001		0.054A		---	31
TOTAL	---	---	0.251	77.021	10.237	7.002	13.887	0.394	0.030	0.173	---	---	TOTAL
MEAN	---	---	0.008	2.69	0.033	0.234	0.447	0.008	0.001	0.006	---	---	MEAN
MAX	---	---	0.149	4.71	2.10	1.44	1.38	0.077	0.001	0.054	---	---	MAX
MIN	---	---	0	0.139	0.033	0.001	0.095	0.001	0.001	0.001	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.255
MAXIMUM DAILY, 9.41 ON APR 21
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
9.98 AT 06:15 CST ON APR 21

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 52 35 N
LONG 104 05 17 W
DRAINAGE AREA, 922 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 200
FEB	---	AUG	25.4
MAR	21.7	SEP	3.88
APR	6 730	OCT	14.8
MAY	1 230	NOV	---
JUN	813	DEC	---

TOTAL DISCHARGE, 9 040 dam³

PASQUIA RIVER AT HIGHWAY NO. 9 - STATION NO. 05KJ014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	1.20	0.614	0.378	0.389	0.076	1.12	0.274	---	1
2	---	---	0B	0 B	1.31	0.624	0.382	0.364	0.080	0.842	0.300A	---	2
3	---	---	0B	0 B	1.41	3.50 E	3.80 E	0.315	0.080	0.856	---	---	3
4	---	---	0B	0 B	1.35	3.20 E	3.10 E	0.274	0.080	0.852	---	---	4
5	---	---	0B	0 B	1.47	2.80 E	2.40 E	0.239	0.083	0.886	---	---	5
6	---	---	0B	0 B	1.63	2.20 E	1.90 E	0.213	0.233	0.837	---	---	6
7	---	---	0B	0 B	1.48	1.70 E	1.50 E	0.183	0.272	0.890	---	---	7
8	---	---	0B	0 B	1.76	1.30 E	1.30 E	0.167	0.186	0.894	---	---	8
9	---	---	0B	0 B	2.02	1.00 E	1.20 E	0.141	0.113	0.804	---	---	9
10	---	---	0B	0 B	2.23	0.880E	1.15 E	0.130	1.84	0.473	---	---	10
11	---	---	0B	0 B	1.73	1.20 E	1.10 E	0.105	1.75	0.577	---	---	11
12	---	---	0B	0 B	1.73	1.50 E	1.05 E	0.113	0.488	0.841	---	---	12
13	---	---	0B	0 B	1.78	1.60 E	1.00 E	0.270	0.287	0.786	---	---	13
14	---	---	0B	0 B	1.69	1.70 E	0.950E	0.256	0.267	0.763	---	---	14
15	---	---	0B	0 B	1.64	1.65 E	1.40 E	0.193	0.188	0.385	---	---	15
16	---	---	0B	0 B	1.50	1.40 E	1.60 E	0.162	0.188	0.358	---	---	16
17	---	---	0B	0.0068	1.41	1.30 E	2.10 E	0.148	0.180	0.266	---	---	17
18	---	---	0B	0.0188	2.78	1.20 E	1.70 E	0.116	1.61	0.225	---	---	18
19	---	---	0B	0.0578	3.06	1.06 E	1.50 E	0.116	2.34	0.237	---	---	19
20	---	---	0B	0.1348	2.67	0.980E	1.30 E	0.116	3.38	0.232	---	---	20
21	---	---	0B	0.2368	3.18	0.890E	1.15 E	0.114	3.08	0.205	---	---	21
22	---	---	0B	0.5038	2.67	0.820E	1.00 E	0.105	3.17	0.206	---	---	22
23	---	---	0B	0.8868	1.62	0.740E	0.880E	0.084	3.14	0.208	---	---	23
24	---	---	0B	2.47 B	1.33	0.680E	0.780E	0.078	3.58	0.208	---	---	24
25	---	---	0B	3.57 B	1.08	0.600E	0.670E	0.077	3.84	0.208	---	---	25
26	---	---	0B	3.97	0.982	0.550E	0.580E	0.073	2.08	0.224	---	---	26
27	---	---	0B	3.10	0.926	0.500E	0.530A	0.070	2.44	0.238	---	---	27
28	---	---	0B	1.77	0.883	0.480E	0.488	0.069	1.84	0.238	---	---	28
29	---		0B	1.47	0.789	0.423A	0.478	0.068	1.55	0.240	---	---	29
30	---		0B	1.36	0.742	0.388A	0.485	0.087	1.33	0.282	---	---	30
31	---		0B		0.737		0.410	0.084		0.271		---	31
TOTAL	---	---	0	18.740	50.349	37.946	38.451	4.840	38.807	14.883	---	---	TOTAL
MEAN	---	---	0	0.625	1.62	1.25	1.24	0.159	1.32	0.480	---	---	MEAN
MAX	---	---	0	3.97	3.18	3.80	3.80	0.380	3.84	1.12	---	---	MAX
MIN	---	---	0	0	0.737	0.388	0.378	0.073	0.080	0.206	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.838
MAXIMUM DAILY, 3.97 ON APR 26
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
4.70 AT 02:15 CST ON APR 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 15 20 N
LONG 102 08 15 W
DRAINAGE AREA, 74.3 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 320
FEB	---	AUG	427
MAR	0	SEP	3 450
APR	1 630	OCT	1 290
MAY	4 350	NOV	---
JUN	3 280	DEC	---

TOTAL DISCHARGE, 17 700 dam³

PELICAN LAKE AT PELICAN NARROWS - STATION NO. 05KE009

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	314.406	---	---	---	---	1
2	---	---	---	---	---	---	314.348	---	---	---	314.278	---	2
3	---	---	---	---	---	---	314.328	314.472	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	314.301	---	---	---	---	---	5
6	---	---	---	---	---	---	314.288	---	---	---	---	---	6
7	---	---	---	---	---	---	314.288	---	---	---	---	---	7
8	---	---	---	---	---	313.877	314.288	314.482	---	---	314.284	---	8
9	---	---	---	---	---	313.880	314.281	---	---	---	---	---	9
10	---	---	---	---	---	313.905	314.281	---	---	---	314.248	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	313.940	314.284	314.437	---	---	---	---	12
13	---	---	---	---	---	313.955	314.301	---	---	---	---	---	13
14	---	---	---	---	---	313.980	314.314	---	---	---	---	---	14
15	---	---	---	---	---	314.007	---	314.389	---	---	314.231	---	15
16	---	---	---	---	---	314.038	---	---	---	---	---	---	16
17	---	---	---	---	---	314.066	---	---	---	---	314.221	---	17
18	---	---	---	---	---	---	---	---	---	---	314.214	---	18
19	---	---	---	---	---	314.070	314.378	---	---	---	---	---	19
20	---	---	---	---	---	314.080	314.378	---	---	---	---	---	20
21	---	---	---	---	---	314.088	---	---	---	---	314.208	---	21
22	---	---	---	---	---	314.095	314.421	314.382	---	---	---	---	22
23	---	---	---	---	---	314.110	314.428	---	---	---	---	---	23
24	---	---	---	---	---	314.125	314.438	---	---	---	314.208	---	24
25	---	---	---	---	---	314.165	---	---	---	314.304	---	---	25
26	---	---	---	---	---	314.180	---	---	---	---	---	---	26
27	---	---	---	---	---	314.184	314.481	---	---	314.291	---	---	27
28	---	---	---	---	---	314.208	314.481	---	---	314.291	---	---	28
29	---		---	---	---	314.212	314.481	---	---	---	---	---	29
30	---		---	---	---	314.224	314.471	---	---	---	314.178	---	30
31	---		---		---		314.468	---		314.281		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MAXIMUM DAILY, 314.472 ON AUG 3

TYPE OF GAUGE - MANUAL
LOCATION - LAT 55 09 57 N
LONG 102 56 35 W
DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

PHEASANT CREEK NEAR ABERNETHY - STATION NO. 05JL005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	00	0 B	0.060	0.080	0.001	0.030	0.001	0.001E	---	---	1
2	---	---	00	0 B	0.022	0.071	0.012	0.015	0.001	0.001E	---	---	2
3	---	---	00	0 B	0.033	0.080	0.080	0.013	0.001	0.001E	---	---	3
4	---	---	00	0 B	0.064	0.081	0.128	0.011	0.001	0.001E	---	---	4
5	---	---	00	0 B	0.076	0.078	0.110	0.013	0.001	0.001E	---	---	5
6	---	---	00	0 B	0.077	0.067	0.084	0.004	0.001	0.001E	---	---	6
7	---	---	00	0.0038	0.056	0.042	0.035	0.001	0.001	0.001E	---	---	7
8	---	---	00	0.0208	0.034	0.033	0.013	0.001	0.001	0.001E	---	---	8
9	---	---	00	0.3698	0.088	0.021	0.034	0.001	0.001	0.001E	---	---	9
10	---	---	00	0.3128	0.092	0.011	0.248	0.001	0.001	0.001E	---	---	10
11	---	---	00	0.3278	0.108	0.008	0.818	0.001	0.001	0.001E	---	---	11
12	---	---	00	0.2938	0.112	0.017	0.808	0.001	0.001	0.001E	---	---	12
13	---	---	00	0.1778	0.148	0.078	0.332	0.001	0.001	0.001E	---	---	13
14	---	---	00	0.2048	0.138	0.071	0.122	0.001	0.001	0.001E	---	---	14
15	---	---	00	0.1828	0.108	0.058	0.018	0.001	0.001	0.001E	---	---	15
16	---	---	00	0.0888	0.082	0.051	0.005	0.001	0.001	0.001E	---	---	16
17	---	---	00	0.0188	0.082	0.048	0.047	0.001	0.001	0.001E	---	---	17
18	---	---	00	1.39 B	0.133	0.034	0.048	0.001	0.001	0.001E	---	---	18
19	---	---	00	7.27 B	0.138	0.010	0.026	0.001	0.001	0.001E	---	---	19
20	---	---	00	11.8 B	0.085	0.004	0.031	0.001	0.001A	0.001E	---	---	20
21	---	---	00	10.3	0.077	0.001	1.78	0.001	0.001E	0.001E	---	---	21
22	---	---	00	9.08	0.062	0.001	1.20	0.001	0.001E	0.001E	---	---	22
23	---	---	00	3.01	0.078	0.001	0.788	0.001	0.001E	0.001E	---	---	23
24	---	---	00	2.06	0.078	0.001	0.432	0.001	0.001E	0.001E	---	---	24
25	---	---	00	1.29	0.085	0.001	0.277	0.001	0.001E	0.001E	---	---	25
26	---	---	00	0.874	0.055	0.017	0.173	0.001	0.001E	0.001E	---	---	26
27	---	---	00	0.626	0.056	0.060	0.108	0.001	0.001E	0.001E	---	---	27
28	---	---	00	0.401	0.056	0.030	0.064	0.001	0.001E	0.001E	---	---	28
29	---		00	0.262	0.053	0.007	0.051	0.001	0.001E	0.001E	---	---	29
30	---		00	0.172	0.064	0.001	0.059	0.001	0.001E	0.001E	---	---	30
31	---		00		0.052		0.054	0.001		0.001E		---	31
TOTAL	---	---	0	57.494	2.806	1.024	7.868	0.112	0.030	0.031	---	---	TOTAL
MEAN	---	---	0	1.82	0.064	0.034	0.257	0.004	0.001	0.001	---	---	MEAN
MAX	---	---	0	16.3	0.148	0.080	1.78	0.030	0.001	0.001	---	---	MAX
MIN	---	---	0	0	0.022	0.001	0.001	0.001	0.001	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.283
MAXIMUM DAILY, 16.3 ON APR 21
MINIMUM DAILY, 00 ON MAR 1
MAXIMUM INSTANTANEOUS,
16.5 AT 12:40 CST ON APR 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 44 00 N
LONG 103 19 41 W
DRAINAGE AREA, 1 150 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	986
FEB	---	AUG	9.88
MAR	0	SEP	2.59
APR	4 990	OCT	2.88
MAY	225	NOV	---
JUN	88.6	DEC	---

TOTAL DISCHARGE, 5 980 dam³

PIKE LAKE NEAR SASKATOON - STATION NO. 05HE003

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	481.880	---	---	481.878	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	481.880	---	3
4	---	---	---	---	---	---	---	---	---	481.727	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	481.886	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	481.881	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	481.887	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	481.887	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	481.707	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	481.712	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	481.706	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	481.717	---	---	---	26
27	---	---	---	---	---	---	---	---	481.727	---	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	---	---	---	---	---	---	---	---	29
30	---		---	---	---	---	---	---	---	---	---	---	30
31	---		---		---		---	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 53 20 N
LONG 106 48 30 W
DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

PINTO CREEK NEAR WOODROW - STATION NO. 05JA004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.002 B	0.067 B	0.029	0.082	0	0	0	0	0	---	1
2	---	0 B	0.002 B	0.104 B	0.016	0.081	0	0	0	0	0	---	2
3	---	0 B	0.003 B	0.111 B	0.017	0.050	0	0	0	0	---	---	3
4	---	0 B	0.006 B	0.850 B	0.012	0.055	0	0	0	0	---	---	4
5	---	0 B	0.002 B	5.35	0.008	0.149	0	0	0	0	---	---	5
6	---	0 B	0.019 B	2.84	0.008	0.037	0	0	0	0	---	---	6
7	---	0 B	0.025 B	1.91	0.005	0.023	0	0	0	0	---	---	7
8	---	0 B	0.013 B	1.42	0.004	0.016	0	0	0	0	---	---	8
9	---	0 B	0.010 B	1.02	0.005	0.019	0	0	0	0	---	---	9
10	---	0 B	0.011 B	0.743	0.012	0.015	0.005	0	0	0	---	---	10
11	---	0 B	0.010 B	0.543	0.011	0.012	0	0	0	0	---	---	11
12	---	0 B	0.010 B	0.384	0.020	0.015	0	0	0	0	---	---	12
13	---	0 B	0.011 B	0.265	0.185	0.016	0	0	0	0	---	---	13
14	---	0 B	0.015 B	0.195	0.100	0.011	0	0	0	0	---	---	14
15	---	0 B	0.016 B	0.188	0.050	0.007	0	0	0	0	---	---	15
16	---	0 B	0.014 B	0.174	0.055	0.005	0	0	0	0	---	---	16
17	---	0 B	0.011 B	0.174	0.048	0.003	0	0	0	0	---	---	17
18	---	0 B	0.008 B	0.152	0.045	0.002	0	0	0	0	---	---	18
19	---	0 B	0.013 B	0.137	0.067	0.001	0	0	0	0	---	---	19
20	---	0 B	0.013 B	0.135	0.070	0	0	0	0	0	---	---	20
21	---	0 B	0.012 B	0.121	0.039	0	0	0	0	0	---	---	21
22	---	0 B	0.011 B	0.103	0.041	0	0	0	0	0	---	---	22
23	---	0 B	0.011 B	0.080	0.137	0	0	0	0	0	---	---	23
24	---	0 B	0.030 B	0.065	0.188	0	0	0	0	0	---	---	24
25	---	0 B	0.064 B	0.058	0.163	0	0	0	0	0	---	---	25
26	---	0.001 B	0.068 B	0.059	0.128	0	0	0	0	0	---	---	26
27	---	0.001 B	0.068 B	0.050	0.115	0	0	0	0	0	---	---	27
28	---	0.001 B	0.105 B	0.046	0.101	0	0	0	0	0	---	---	28
29	---		0.083 B	0.040	0.093	0	0	0	0	0	---	---	29
30	---		0.068 B	0.034	0.078	0	0	0	0	0	---	---	30
31	---		0.058 B		0.072		0	0		0		---	31
TOTAL	---	0.003	0.810	17.401	1.919	0.582	0.005	0	0	0	---	---	TOTAL
MEAN	---	0	0.026	0.580	0.062	0.019	0	0	0	0	---	---	MEAN
MAX	---	0.001	0.105	5.35	0.188	0.149	0.005	0	0	0	---	---	MAX
MIN	---	0	0.002	0.034	0.004	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.084
MAXIMUM DAILY, 5.35 ON APR 5
MINIMUM DAILY, 0 ON JUN 20
MAXIMUM INSTANTANEOUS,
8.75 AT 00:31 CST ON APR 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 20 53 N
LONG 106 42 30 W
DRAINAGE AREA, 1 370 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0.43
FEB	0.26	AUG	0
MAR	70.0	SEP	0
APR	1 500	OCT	0
MAY	166	NOV	---
JUN	46.6	DEC	---

TOTAL DISCHARGE, 1 790 dam³

PIPESTONE CREEK NEAR MOOSOMIN - STATION NO. 05NE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.063 B	0.085 B	5.64	1.01	0.046	0.008	0.843	0.008	0.008 E	0.370 B	1
2	---	---	0.063 B	0.090 B	5.10	1.50	0.054	0.005	0.855	0.004	0.008 E	0.390 B	2
3	---	---	0.063 B	0.090 B	5.08	2.02	0.120	0.006	0.854	0.004	0.008 E	0.390 B	3
4	---	---	0.063 B	0.100 B	5.01	1.52	0.060	0.006	0.850	0.128	0.008 E	0.390 B	4
5	---	---	0.063 B	0.125 B	4.74	1.24	0.042	0.015	0.872	0.023	0.007 E	0.390 B	5
6	---	---	0.070 B	0.165 B	4.51	1.06	0.032	0.021	0.865	0.007	0.007 E	0.390 B	6
7	---	---	0.070 B	0.595 B	4.10	0.878	0.037	0.011	0.850	0.001	0.006 E	0.390 B	7
8	---	---	0.070 B	0.795 B	2.84	0.767	0.032	0.013	0.841	0.002	0.006 E	0.390 B	8
9	---	---	0.070 B	3.30 B	0.355	0.800	0.034	0.016	0.850	0.002	0.006 E	0.390 B	9
10	---	---	0.070 B	4.61 B	0.361	0.598	0.041	0.017	0.918	0.002	0.003 B	0.390 B	10
11	---	---	0.075 B	5.54	0.202	0.466	0.243	0.010	0.867	0.004	0.002 B	0.390 B	11
12	---	---	0.075 B	5.53	0.291	0.516	0.083	0.015	0.761	0.005	0.002 B	0.390 B	12
13	---	---	0.075 B	5.42	0.333	0.520	0.034	0.037	0.018	0.002	0.002 B	0.390 B	13
14	---	---	0.075 B	5.90	0.320	0.386	0.022	0.030	0.002	0.003	0.002 B	0.390 B	14
15	---	---	0.075 B	7.47	0.766	0.307	0.030	0.023	0.004	0.005	0.002 B	0.390 B	15
16	---	---	0.080 B	7.27	1.42	0.144	0.032	0.021	0.004	0.011	0.002 B	0.344 B	16
17	---	---	0.080 B	6.66	1.99	0.102	0.038	0.020	0.004	0.008	0.003 B	0.300 B	17
18	---	---	0.080 B	5.81	2.28	0.079	0.026	0.018	0.031	0.005	0.002 B	0.287 B	18
19	---	---	0.080 B	6.14	2.59	0.101	0.032	0.033	0.018	0.010	0.002 B	0.287 B	19
20	---	---	0.080 B	15.7	2.87	0.086	0.036	0.023	0.007	0.015	0.002 B	0.287 B	20
21	---	---	0.085 B	26.1	3.08	0.079	0.037	0.023	0.004	0.010	0.002 B	0.287 B	21
22	---	---	0.085 B	32.7	2.96	0.126	0.019	0.023	0.004	0.008	0.003 B	0.287 B	22
23	---	---	0.085 B	35.4	2.90	0.084	0.026	0.346	0.003	0.004	0.008 B	0.287 B	23
24	---	---	0.085 B	35.7	2.70	0.042	0.025	0.871	0.001	0.011	0.008 B	0.287 B	24
25	---	---	0.085 B	30.4	2.26	0.077	0.020	0.888	0.001	0.043	0.010 B	0.287 B	25
26	---	---	0.085 B	23.8	2.11	0.034	0.019	0.854	0.003	0.017	0.010 B	0.287 B	26
27	---	---	0.085 B	16.3	1.86	0.027	0.012	0.857	0.003	0.005	0.010 B	0.287 B	27
28	---	---	0.085 B	14.0	1.61	0.028	0.008	0.857	0.004	0.004	0.010 B	0.287 B	28
29	---		0.085 B	10.2	1.37	0.036	0.012	0.854	0.003	0.005	0.010 B	0.287 B	29
30	---		0.085 B	8.08	1.26	0.045	0.021	0.857	0.046*	0.006	0.200 B	0.287 B	30
31	---		0.085 B		1.13		0.014	0.849	*	0.008		0.287 B	31
TOTAL	---	---	2.376	322.012	75.848	14.508	1.326	7.607	10.406	0.370	0.359	10.632	TOTAL
MEAN	---	---	0.077	10.7	2.46	0.484	0.043	0.245	0.347	0.012	0.012	0.343	MEAN
MAX	---	---	0.085	35.7	5.64	2.02	0.243	0.871	0.918	0.128	0.200	0.390	MAX
MIN	---	---	0.063	0.085	0.201	0.027	0.008	0.005	0.001	0.001	0.002	0.287	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.76
MAXIMUM DAILY, 35.7 ON APR 24
MINIMUM DAILY, 0.001 ON SEP 24
MAXIMUM INSTANTANEOUS,
36.8 AT 03:23 CST ON APR 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 02 40 N
LONG 101 40 33 W
DRAINAGE AREA, 3 850 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	114
FEB	---	AUG	657
MAR	205	SEP	899
APR	27 800	OCT	32.5
MAY	6 550	NOV	31.0
JUN	1 250	DEC	919

TOTAL DISCHARGE, 37 600 dam³

REMARKS - RESERVOIR RELEASES OCCURRED IN NOVEMBER AND DECEMBER, OUTSIDE THE STANDARD PERIOD

PIPESTONE CREEK NEAR ROSE VALLEY - STATION NO. 05LA004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	2.84	0.675	0	0.280	0.037	0	---	---	1
2	---	---	0B	0 B	2.52	0.726	0	0.256	0.032	0	---	---	2
3	---	---	0B	0 B	2.23	0.784	0	0.241	0.022	0	---	---	3
4	---	---	0B	0 B	2.05	0.774	0	0.222	0.018	0	---	---	4
5	---	---	0B	0 B	1.81	0.755	0	0.205	0.017	0	---	---	5
6	---	---	0B	0 B	1.80	0.737	0	0.190	0.025	0	---	---	6
7	---	---	0B	0 B	1.76	0.746	0	0.176	0.025	0	---	---	7
8	---	---	0B	0 B	1.69	0.773	0	0.158	0.014	0	---	---	8
9	---	---	0B	0 B	1.64	0.758	0	0.145	0.014	0	---	---	9
10	---	---	0B	0 B	1.64	0.744	0.015	0.138	0.036	0	---	---	10
11	---	---	0B	0 B	1.54	0.705	0.088	0.125	0.038	0	---	---	11
12	---	---	0B	0 B	1.48	0.712	0.076	0.107	0.019	0	---	---	12
13	---	---	0B	0 B	1.48	0.789	0.063	0.080	0.001	0	---	---	13
14	---	---	0B	0 B	1.57	0.781	0.055	0	0	0	---	---	14
15	---	---	0B	0 B	1.48	0.762	0.037	0.026	0	0	---	---	15
16	---	---	0B	0 B	1.41	0.722	0.108	0.006	0	0	---	---	16
17	---	---	0B	0 B	1.33	0.697	0.107	0	0	0	---	---	17
18	---	---	0B	0 B	1.30	0.646	0.118	0	0	0	---	---	18
19	---	---	0B	0 B	1.28	0.617	0.138	0	0	0	---	---	19
20	---	---	0B	0.2908	1.28	0.628	0.155	0	0	0	---	---	20
21	---	---	0B	0.7248	1.27	0.483	0.151	0	0	0.088	---	---	21
22	---	---	0B	0.784	1.29	0.424	0.147	0	0	0.158	---	---	22
23	---	---	0B	0.887	1.28	0.382	0.150	0	0	0.153	---	---	23
24	---	---	0B	1.52	1.20	0.293	0.145	0	0	0.123	---	---	24
25	---	---	0B	3.79	1.08	0.244	0.137	0.018	0	0.081	---	---	25
26	---	---	0B	4.02	0.974	0.181	0.233	0.060	0	0.050	---	---	26
27	---	---	0B	4.76	0.911	0.081	0.240	0.047	0	0.026	---	---	27
28	---	---	0B	4.25	0.829	0.024	0.241	0.048	0	0.033	---	---	28
29	---		0B	3.74	0.769	0	0.255	0.049	0	0.071	---	---	29
30	---		0B	3.26	0.723	0	0.274	0.043	0	0.115	---	---	30
31	---		0B		0.701		0.264	0.040		0.082A		---	31
TOTAL	---	---	0	28.855	44.677	16.424	3.378	2.881	0.295	0.988	---	---	TOTAL
MEAN	---	---	0	0.952	1.44	0.547	0.108	0.085	0.010	0.032	---	---	MEAN
MAX	---	---	0	4.02	2.84	0.784	0.274	0.280	0.037	0.158	---	---	MAX
MIN	---	---	0	0	0.701	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.397
MAXIMUM DAILY, 4.02 ON APR 26
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
4.93 AT 23:17 CST ON APR 26

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 17 21 N
LONG 103 40 20 W
DRAINAGE AREA, 841 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	283
FEB	---	AUG	232
MAR	0	SEP	25.5
APR	2 480	OCT	85.4
MAY	3 880	NOV	---
JUN	1 420	DEC	---

TOTAL DISCHARGE, 8 400 dam³

PIPESTONE RIVER BELOW ROTARIU LAKE - STATION NO. 07LD003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.51	2.42	3.08	3.70	5.31	4.72	5.16	4.13	3.48	4.12	3.25	2.68	1
2	2.47	2.39	3.08	3.75	5.25	4.86	5.06	4.08	3.46	4.02	3.24	2.66	2
3	2.60	2.37	3.08	3.77	5.26	5.18	4.87	4.04	3.63	4.02	3.21	2.63	3
4	2.52	2.34	3.15	3.62	5.23	5.34	4.76	4.08	3.95	4.04	3.19	2.67	4
5	2.48	2.30	3.15	3.93	5.17	5.60	4.87	3.87	4.12	4.02	3.17	2.61	5
6	2.51	2.32	3.12	4.07	5.17	5.65	4.68	3.79	4.38	3.89	3.14	2.44	6
7	2.42	2.32	3.10	4.28	5.16	5.89	4.68	3.73	4.81	3.84	3.12	2.28	7
8	2.41	2.28	3.10	4.65	5.21	5.80	4.52	3.84	4.81	3.80	3.12	2.27	8
9	2.42	2.25	3.11	4.98	5.21	6.43	4.52	3.87	4.87	3.75	3.08	2.31	9
10	2.43	2.21	3.18A	5.13	5.16	6.76	4.59	3.82	4.89	3.73	3.04	2.28	10
11	2.42	2.12	3.18	5.18	5.12	6.80	4.61	3.81	4.91	3.68A	2.98	2.20	11
12	2.48	2.08	3.28	5.18	5.09	7.06	4.43	3.81	4.89	3.62A	2.82	2.14	12
13	2.51	2.02	3.28	5.13	5.10	7.07	4.20	3.87	4.84	3.56	2.83	2.14	13
14	2.58	1.98	3.31	5.11	5.18	7.06	3.83	3.42	4.80	3.52	2.83	2.07	14
15	2.58	2.00	3.38	4.98	5.16	7.16	3.82	3.44	4.80	3.66	2.98	2.00	15
16	2.60	3.04	3.42	4.78	5.13	7.28	3.82	3.41	4.87	3.66	2.87	1.97	16
17	2.59	3.04	3.51	4.54	5.08	7.30	4.00	3.41	4.87	3.56	2.86	1.96	17
18	2.51	3.10	3.44A	4.07	5.03	7.19	3.82	3.42	4.81	3.53	2.86	1.97	18
19	2.48	3.24	3.47A	3.81	5.00	7.02	3.84	3.77	4.84	3.50	2.89	1.98	19
20	2.47	3.37	3.52A	3.81	4.93	6.86	3.79	3.84	4.87	3.49	2.88	1.97	20
21	2.44	3.48A	3.56A	3.86	4.82	6.68	3.74	4.21	4.82	3.52	2.85	1.96	21
22	2.51	3.60A	3.51A	4.04	4.88	6.49	3.69	4.38	4.86	3.50	2.82	1.95	22
23	2.47	3.70	3.37A	4.21	4.78	6.41	3.68	4.38	4.87	3.51	2.88	1.92	23
24	2.41	3.81	3.32	4.63	4.71	6.27	3.68	4.38	4.76	3.48	2.84	1.95	24
25	2.41	3.83A	3.32	5.01	4.71	6.02	3.84	4.32	4.81	3.40	2.79	1.96	25
26	2.40	3.86	3.33	5.32	4.76	5.83	3.86	4.20	4.89	3.37	2.74	1.96	26
27	2.40	3.88	3.33	5.49	4.78	5.78	4.24	4.11	4.86	3.38	2.71	1.93	27
28	2.42	3.83	3.37	5.50	4.88	5.83	4.20	4.02	4.47	3.34	2.68	1.88	28
29	2.47		3.53	5.38	4.83	5.82	4.17	3.86	4.27	3.31	2.67	1.87	29
30	2.48		3.58	5.36	4.83	5.35	4.17	3.72	4.18	3.28	2.86	1.84	30
31	2.48		3.64		4.83		4.13	3.61		3.26		1.84	31
TOTAL	76.76	88.88	102.71	137.44	154.85	187.89	131.03	118.29	137.22	112.36	88.98	66.23	TOTAL
MEAN	2.48	2.38	3.31	4.58	5.00	6.26	4.23	3.85	4.87	3.62	2.87	2.14	MEAN
MAX	2.60	3.83	3.64	5.50	5.31	7.30	5.16	4.38	4.84	4.12	3.25	2.68	MAX
MIN	2.40	1.98	3.08	3.70	4.83	4.72	3.68	3.41	3.48	3.26	2.66	1.84	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.78
MAXIMUM DAILY, 7.30 ON JUN 17
MINIMUM DAILY, 1.84 ON DEC 30
MAXIMUM INSTANTANEOUS,
7.48 AT 14:14 CST ON JUN 16

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 14 15 N
LONG 104 07 45 W
DRAINAGE AREA, 983 km²
A - MANUAL GAUGE

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	8 630	JUL	11 300
FEB	8 780	AUG	10 300
MAR	8 870	SEP	11 000
APR	11 000	OCT	9 710
MAY	13 400	NOV	7 680
JUN	16 200	DEC	5 720

TOTAL DISCHARGE, 119 000 dam³

REMARKS - 1982 DATA WILL BE REVISED IN 1984

PORCUPINE RIVER AT OUTLET OF GROVE LAKE - STATION NO. 07LC003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	46.1	43.1	38.2	32.6	39.0	74.8	134	116	108	96.2	93.1	70.1	1
2	45.8	42.6	38.2	32.6	38.6	76.6	132	114	107	96.2	91.6	68.1	2
3	45.7	42.2	37.8	32.6	38.3	78.2	127	113	106	94.8	91.6	67.6	3
4	45.6	41.3	38.2	33.0	38.2	80.3A	123	111	103	95.3	91.7	68.3	4
5	45.4	40.9	37.7	33.3	37.6	82.8A	120	111	103	96.0	91.7A	68.8	5
6	45.2	40.6	37.7	33.5	37.5	84.5	118	109	103	96.4	90.3A	68.7	6
7	45.3	39.7	37.7	33.3	37.5	86.1	116	108	101	96.5	89.2	68.6	7
8	46.1	39.2	37.5	32.7	37.7	88.0	113	106	101	96.5	88.0	84.5A	8
9	46.0	39.1	37.4	33.1	37.9	91.9A	111	105	98.0	96.2	86.5	83.6A	9
10	45.8	38.5	37.5	32.9	37.8	96.1A	109	104	96.6	95.8	84.7	80.2A	10
11	46.0	38.3	37.2	32.6	37.6	101	108	104	96.8	95.7	84.6	89.5	11
12	46.0	38.2	36.8	32.4	38.0	106	108	103	93.6	96.6	86.0	89.1A	12
13	46.2	38.3	36.3	32.6	38.2	113	103	102	92.1	96.2	84.8	88.6A	13
14	46.2	38.4	36.2	32.5	38.2	123	101	102	91.0	96.4	83.3	87.7A	14
15	46.3	38.3	36.4	32.0	38.6	131	98.1	102	89.7	96.1	82.8	87.4	15
16	46.0	38.1	36.8	32.0	39.1	137	98.2A	102	90.6	95.8	82.8	87.4	16
17	44.8	38.1	36.3	32.0	40.0	142	101 A	103	92.3	94.7	82.8	87.1	17
18	44.8	38.1	36.2	32.0	41.0	145	104 A	104	92.5	93.5	82.4A	86.8A	18
19	45.1	38.1	36.1	32.0	42.2	147	107 A	104	91.8	93.8	81.3A	86.8A	19
20	45.3	37.6	34.9	32.1	43.8A	148	108	105	91.4	94.6	81.0A	86.8A	20
21	45.1	37.4	34.5	32.4	46.5A	148	109	107	91.2	93.6	80.1A	83.8A	21
22	45.1	37.4	34.2	32.5	49.5	148 A	110	107	91.4	93.1	78.7	72.0A	22
23	44.7	37.8	33.8	33.6	52.1	150	111	108	92.6	93.3	78.1	66.5A	23
24	44.3	38.0	33.6	34.7	54.2A	151	112	109	94.5	93.8	76.1A	67.2	24
25	44.3	38.4	33.4	36.0	56.0A	149	113	108	95.7	93.0	73.6	67.2	25
26	44.3	37.5	33.0	36.8	58.7A	145	115	109	96.6	92.8	71.7	66.5	26
27	43.8	37.7	32.8	37.4	62.2	144	117	108	96.5	92.8	71.6	66.3	27
28	43.8	38.1	32.7	37.7	65.7	142	118	108	96.5	93.1	72.0	66.5	28
29	43.0		32.7	38.1	68.4	140	117	108	95.8	92.9	71.8	66.2	29
30	43.0		32.4	38.5	70.8A	137	118	108	95.4	93.1	71.3	65.8	30
31	43.2		32.4		72.9A		117	108		93.4		66.4	31
TOTAL	1 391.8	1 080.8	1 103.0	1 010.4	1 434.3	3 582.6	3 481.3	3 323	2 881.7	2 938.6	2 474.6	1 843.6	TOTAL
MEAN	44.9	38.0	35.6	33.7	46.3	119	113	107	96.4	94.7	82.5	59.5	MEAN
MAX	46.1	43.1	38.2	36.8	72.9	151	134	116	108	96.8	93.1	70.1	MAX
MIN	43.0	37.4	32.4	32.0	37.5	74.8	98.1	102	89.7	92.8	71.3	52.0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 72.8
MAXIMUM DAILY, 151 ON JUN 24
MINIMUM DAILY, 32.0 ON APR 15
MAXIMUM INSTANTANEOUS,
153 AT 17:53 CST ON JUN 24

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - RECORDING
LOCATION - LAT 59 26 40 N
LONG 104 21 40 W
DRAINAGE AREA, 7 300 km²
A - MANUAL GAUGE

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	120 000	JUL	302 000
FEB	94 200	AUG	287 000
MAR	95 300	SEP	250 000
APR	87 300	OCT	254 000
MAY	124 000	NOV	214 000
JUN	310 000	DEC	159 000

TOTAL DISCHARGE, 2 300 000 dam³

PORTER LAKE AT CREW CABIN - STATION NO. 08SC002

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	30.103	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	30.075	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	---	---	---	---	---	---	---	---	29
30	---		---	---	---	---	---	---	---	---	---	---	30
31	---		---		---		---	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - MANUAL
LOCATION - LAT 58 33 30 N
LONG 107 20 40 W

NATURAL FLOW

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

REMARKS - STATION DISCONTINUED AFTER 1983

PRAIRIE RIVER NEAR PRAIRIE RIVER - STATION NO. 05LB010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0088	1.72	1.30E	0.928	1.27	0.088	1.04	0.488	---	1
2	---	---	0 B	0.0088	1.86	1.33A	1.10	1.16	0.102	1.01	0.888A	---	2
3	---	---	0 B	0.0088	1.78	2.83	4.59	0.980	0.088	1.08	---	---	3
4	---	---	0 B	0.0088	1.88	6.48	15.1	0.639	0.126	1.08	---	---	4
5	---	---	0 B	0.0118	1.88	8.08	18.4	0.741	0.167	1.08	---	---	5
6	---	---	0 B	0.0138	1.80	7.70	14.8	0.881	0.221	1.24	---	---	6
7	---	---	0 B	0.0188	1.31	6.43	11.7	0.461	0.303	1.13	---	---	7
8	---	---	0 B	0.0188	1.05	5.88E	8.72	0.370	0.295	1.03	---	---	8
9	---	---	0 B	0.0188	0.888	5.03E	7.26	0.287	0.388	0.988	---	---	9
10	---	---	0.0028	0.0198	1.08	4.48A	7.03	0.353	0.590	0.913	---	---	10
11	---	---	0.0038	0.0188	1.01	3.95	7.70	0.238	0.696	0.881	---	---	11
12	---	---	0.0048	0.0218	0.872A	3.80	8.09	0.198	0.813	0.882	---	---	12
13	---	---	0.0068	0.0388	0.885E	4.62	8.82	0.207	0.810	0.857	---	---	13
14	---	---	0.0088	0.0428	0.980E	5.62	8.40	0.180	0.717	0.848	---	---	14
15	---	---	0.0088	0.0288	0.970E	7.27	7.85	0.178	0.801	0.778	---	---	15
16	---	---	0.0028	0.0188	1.05 E	8.70A	11.3	0.181	0.691	0.728	---	---	16
17	---	---	0.0038	0.0308	1.50 E	7.38A	12.1	0.168	0.653	0.883	---	---	17
18	---	---	0.0068	0.0788	2.10 E	6.04	10.2	0.174	0.568	0.858	---	---	18
19	---	---	0.0088	0.1878	3.20 E	4.88	7.58	0.209	1.10	0.807	---	---	19
20	---	---	0.0088	0.2788	3.02 E	3.94	6.47	0.190	1.88	0.853	---	---	20
21	---	---	0.0088	1.34 B	3.70 E	3.21	5.88	0.183	2.44	0.589	---	---	21
22	---	---	0.0078	2.00 B	3.10 E	2.75	7.18	0.153	2.87	0.574	---	---	22
23	---	---	0.0088	3.31 B	2.70 E	2.55	8.72	0.137	2.81	0.577	---	---	23
24	---	---	0.0118	2.80 B	2.40 E	2.50	8.31	0.148	2.43	0.583	---	---	24
25	---	---	0.0118	2.88	2.10 E	2.42	4.18	0.188	2.11	0.884	---	---	25
26	---	---	0.0078	3.70	1.90 E	2.14	3.87	0.148	1.82	0.888	---	---	26
27	---	---	0.0088	3.82	1.70 E	1.76	3.43	0.144	1.80	0.894	---	---	27
28	---	---	0.0088	3.16	1.80 E	1.48	2.70	0.128	1.47	0.838	---	---	28
29	---		0.0078	2.81	1.50 E	1.19	2.18	0.100	1.24	0.844	---	---	29
30	---		0.0108	1.84	1.40 E	1.02	1.82	0.080	1.09	0.808	---	---	30
31	---		0.0128		1.35 E		1.60	0.082		0.478	---	---	31
TOTAL	---	---	0.134	28.394	54.352	127.41	214.788	10.383	30.434	24.849	---	---	TOTAL
MEAN	---	---	0.004	0.948	1.75	4.25	8.83	0.335	1.01	0.782	---	---	MEAN
MAX	---	---	0.012	3.70	3.82	8.70	18.4	1.37	2.87	1.24	---	---	MAX
MIN	---	---	0	0.008	0.880	1.02	0.928	0.082	0.088	0.478	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.00
MAXIMUM DAILY, 18.4 ON JUL 5
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
17.0 AT 22:38 CST ON JUL 4

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 49 01 N
LONG 102 58 48 W
DRAINAGE AREA, 323 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	18 800
FEB	---	AUG	897
MAR	11.6	SEP	2 630
APR	2 450	OCT	2 120
MAY	4 700	NOV	---
JUN	11 000	DEC	---

TOTAL DISCHARGE, 42 400 dam³

QU'APPELLE RIVER ABOVE BUFFALO POUND LAKE - STATION NO. 05JE004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.228	1.208	1.24 B	9.22 B	0.181	0.882	3.30	3.86	2.61	2.03	1.48	0.8088	1
2	1.218	1.218	1.88 B	8.10 B	0.184	1.36	3.22	3.87	3.28	1.81	1.38	1.38 B	2
3	1.218	1.218	1.48 B	4.07 B	0.185	1.56	3.32	3.71	3.48	1.74	1.40	1.37 B	3
4	1.208	1.228	1.23 B	3.71 B	0.151	1.56	3.22	3.63	3.37	1.71	1.52	1.22 B	4
5	1.188	1.208	1.22 B	3.08 B	0.133	1.57	2.89	3.57	3.44	1.78	1.46	1.35 B	5
6	1.188	1.188	1.20 B	2.44 B	0.114	1.54	2.78	3.50	3.85	1.83	1.42	1.31 B	6
7	1.188	1.178	1.26 B	2.06 B	0.099	1.52	2.85	3.58	3.33	1.87	1.46	1.26 B	7
8	1.178	1.188	1.13 B	1.72 B	0.280	1.53	2.51	3.47	3.80	1.84	1.48	1.32 B	8
9	1.188	1.178	1.13 B	1.40 B	1.09	1.44	2.88	3.51	4.21	1.89	1.40	1.14 B	9
10	1.188	1.188	1.23 B	1.18 B	1.84	1.60	2.43	3.50	3.88	1.87	1.43	1.18 B	10
11	1.148	1.208	1.88 B	0.9008	1.90	1.48	1.87	3.38	3.87	1.83	1.38	1.38 B	11
12	1.138	1.208	3.18 B	0.7508	1.84	1.88	1.88	3.84	3.72	1.88	1.37 B	1.88 B	12
13	1.128	1.208	3.31 B	0.483	1.82	1.76	1.87	3.73	3.88	1.88	1.83 B	1.42 D	13
14	1.118	1.208	1.83 B	0.477	1.38	1.81	1.81	3.82	3.88	1.86	1.48	1.33 B	14
15	1.108	1.208	1.84 B	0.418	1.28	3.28	1.24	3.87	3.80	1.88	1.43	1.17 B	15
16	1.108	1.208	1.88 B	0.348	1.18	3.34	1.03	3.48	3.88	1.80	1.88 B	1.08 B	16
17	1.118	1.188	0.7088	0.304	1.18	3.38	0.918	3.82	3.75	1.81	1.84	0.8818	17
18	1.128	1.188	0.6318	0.307	1.11	3.27	0.827	3.84	3.78	1.47	1.42	0.8888	18
19	1.188	1.198	0.5758	0.287	1.08	3.38	0.727	3.83	3.53	1.83	1.38	1.02 B	19
20	1.188	1.208	0.4778	0.282	1.08	3.28	1.01	3.51	3.87	1.85	1.39	1.02 B	20
21	1.178	1.218	0.4378	0.268	1.18	3.28	1.83	3.86	3.87	1.88	1.88 B	1.03 B	21
22	1.188	1.218	0.4108	0.288	1.14	3.24	0.838	3.83	3.81	1.80	0.8418	1.13 B	22
23	1.148	1.218	0.3898	0.211	1.11	3.18	1.73	3.81	3.82	1.83	0.8588	0.8228	23
24	1.188	1.128	0.3218	0.208	1.88	3.08	4.28	3.87	3.80	1.83	0.8708	1.88 B	24
25	1.188	1.188	0.3028	0.181	0.988	3.34	4.36	3.88	3.88	1.81	1.83 B	1.88 B	25
26	1.178	1.188	0.2818	0.218	0.878	3.48	4.78	3.88	3.88	1.81	1.81 B	1.88 B	26
27	1.178	1.128	0.2788	0.228	0.881	3.18	4.87	3.88	3.88	1.83	0.8788	1.86 B	27
28	1.188	1.088	0.2938	0.218	0.852	3.23	4.26	3.88	3.88	1.88	1.18 B	0.8638	28
29	1.188		0.3538	0.188	0.812	3.26	4.24	3.81	3.88	1.46	1.33 B	1.13 B	29
30	1.188		1.75 B	0.182	0.823	3.33	4.88	3.81	3.37	1.47	1.27 B	1.88 B	30
31	1.188		12.3 B		0.818		4.34	3.88		1.48		1.18 B	31
TOTAL	36.88	33.38	46.388	41.874	28.488	73.712	81.488	111.08	107.82	48.48	39.887	35.487	TOTAL
MEAN	1.18	1.18	1.49	1.39	0.819	2.48	2.83	3.58	3.59	1.58	1.32	1.14	MEAN
MAX	1.22	1.22	12.3	9.22	1.90	3.48	4.88	3.98	4.21	2.03	1.83	1.88	MAX
MIN	1.18	1.88	0.278	0.182	0.888	0.893	0.83	3.38	3.81	1.48	0.841	0.888	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.87
MAXIMUM DAILY, 12.38 ON MAR 31
MINIMUM DAILY, 0.888 ON MAY 7
MAXIMUM INSTANTANEOUS,
13.48 AT 20:87 CST ON MAR 31

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 47 00 N
LONG 104 48 31 W
DRAINAGE AREA, 2 830 km²

B - ICE CONDITIONS

REGULATED SINCE 1988

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 110	JUL	7 080
FEB	2 870	AUG	3 500
MAR	4 000	SEP	3 200
APR	3 880	OCT	4 270
MAY	2 480	NOV	3 480
JUN	6 270	DEC	3 080

TOTAL DISCHARGE, 88 100 dam³

QU'APPELLE RIVER AT HYDE - STATION NO. 05JM013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	7.488	7.388	20.7	12.3	3.89	11.8	3.18	5.30	---	---	1
2	---	---	7.488	7.488	19.8	12.0	4.12	10.8	3.15	5.01	---	---	2
3	---	---	7.488	7.488	18.8	11.8	5.05	9.71	3.07	4.98	---	---	3
4	---	---	7.488	7.578	18.8	11.4	5.37	9.02	3.17	4.85	---	---	4
5	---	---	7.488	7.488	18.5	11.4	5.90	8.80	3.37	5.01	---	---	5
6	---	---	7.428	7.538	18.4	11.0	5.38	8.85	3.18	5.28	---	---	6
7	---	---	7.388	7.588	18.1	10.8	5.05	8.41	2.98	6.12	---	---	7
8	---	---	7.388	7.888	17.8	10.1	4.84	8.08	3.11	6.81	---	---	8
9	---	---	7.348	7.808	17.8	9.70	4.38	7.87	3.17	7.30	---	---	9
10	---	---	7.308	8.008	18.1	9.41	5.11	7.80	3.24	7.77	---	---	10
11	---	---	7.308	8.308	18.2	8.91	7.13	7.08	3.73	8.02	---	---	11
12	---	---	7.288	8.508	18.8	7.88	10.0	6.82	4.88	8.34	---	---	12
13	---	---	7.288	8.908	19.4	7.21	15.1	6.61	4.88	8.81	---	---	13
14	---	---	7.228	9.508	19.1	7.04	17.8	6.17	4.47	8.81	---	---	14
15	---	---	7.188	10.5 E	18.8	7.37	17.8	6.14	4.47	8.37	---	---	15
16	---	---	7.148	12.0 E	17.8	6.88	16.4	5.85	4.36	8.10	---	---	16
17	---	---	7.128	15.0 E	16.3	6.26	15.3	5.50	4.24	7.88	---	---	17
18	---	---	7.108	20.0 E	15.5	5.35	14.7	5.22	4.18	8.18	---	---	18
19	---	---	7.108	26.0 E	15.5	4.88	14.4	4.84	4.33	7.85	---	---	19
20	---	---	7.108	29.0 E	15.5	4.08	14.5	4.88	5.13	7.48	---	---	20
21	---	---	7.088	53.5	15.5	3.89	14.9	4.78	4.84	7.18	---	---	21
22	---	---	7.108	63.4	15.5	3.78	16.0	4.22	4.62	8.83	---	---	22
23	---	---	7.158	67.9	15.5	3.78	20.3	3.87	4.33	8.47	---	---	23
24	---	---	7.208	82.2	15.3	3.77	23.5	3.88	4.30	8.63	---	---	24
25	---	---	7.258	86.6	14.8	4.01	25.8	3.61	4.38	8.78	---	---	25
26	---	---	7.308	48.7	14.4	3.47	27.5	3.44	4.83	8.83	---	---	26
27	---	---	7.188	43.7	13.8	4.01	28.2	3.42	4.81	8.87	---	---	27
28	---	---	7.158	38.1	13.4	4.76	24.8	3.47	4.88	8.88	---	---	28
29	---		7.148	35.4	13.3	4.47	18.8	3.41	4.86	8.47	---	---	29
30	---		7.288	32.8	13.2	4.13	15.4	3.32	5.42	8.84	---	---	30
31	---		7.328		12.7		13.2	3.28		8.30		---	31
TOTAL	---	---	224.81	715.81	515.8	214.28	421.13	188.34	122.80	214.35	---	---	TOTAL
MEAN	---	---	7.25	23.8	16.7	7.14	13.6	6.11	4.09	8.81	---	---	MEAN
MAX	---	---	7.48	87.9	20.7	12.3	28.2	11.6	5.42	8.81	---	---	MAX
MIN	---	---	7.08	7.38	12.7	3.47	3.89	3.28	2.98	4.98	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.7
MAXIMUM DAILY, 87.9 ON APR 23
MINIMUM DAILY, 2.98 ON SEP 7
MAXIMUM INSTANTANEOUS,
88.7 AT 07:51 CST ON APR 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 38 29 N
LONG 102 55 03 W
DRAINAGE AREA, 44 100 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	38 400
FEB	---	AUG	16 400
MAR	19 400	SEP	10 800
APR	61 800	OCT	18 500
MAY	44 800	NOV	---
JUN	18 500	DEC	---

TOTAL DISCHARGE, 226 000 dam³

QU'APPELLE RIVER BELOW CRAVEN DAM - STATION NO. 05JK002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	6.928	6.078	6.048	7.578	14.6	1.37	4.08	4.86	5.36	6.22	6.62	6.678	1
2	6.788	6.818	6.088	8.188	14.9	1.38	4.12	4.90	5.28	6.21	6.28	6.588	2
3	6.778	6.678	6.908	8.888	15.6	1.38	4.20	4.86	5.06	6.88	6.18	6.488	3
4	6.718	6.888	6.008	10.1 E	14.7	1.31	4.21	4.88	5.00	6.84	6.28	6.638	4
5	6.708	6.848	6.138	10.1 E	14.2	1.27	4.18	4.84	5.08	6.84	6.28	6.388	5
6	6.718	6.785	6.258	10.6 E	13.8	1.38	4.15	4.78	5.35	6.28	6.08	6.218	6
7	6.678	6.838	6.208	11.2 E	13.8	1.36	4.16	4.84	5.85	6.30	6.40	6.228	7
8	6.618	6.908	6.218	12.4 E	13.8	1.88	4.16	4.81	5.72	6.22	6.55	6.288	8
9	6.648	6.858	6.108	13.6 E	13.7	1.68	4.23	4.81	5.88	6.17	6.44	6.368	9
10	6.598	6.878	6.178	13.8 E	13.8	1.88	6.12	4.86	5.78	6.37	6.56	6.288	10
11	6.488	6.888	6.308	15.3 E	14.8	1.82	7.85	4.80	5.88	6.22	6.08	6.228	11
12	6.428	6.588	6.888	17.0 E	14.3	1.87	8.88	4.88	5.85	6.05	6.48	6.128	12
13	6.388	6.848	6.828	18.1 E	14.2	1.82	8.31	4.87	5.78	6.46	6.88	6.888	13
14	6.308	6.938	6.828	19.2 E	13.1	2.23	4.38	4.81	5.82	6.46	6.78	6.878	14
15	6.188	6.838	6.488	19.4	13.8	3.26	4.71	4.88	5.81	6.46	6.86	6.818	15
16	6.348	6.188	6.488	19.8	13.4	3.14	4.87	4.82	5.88	6.81	6.46	6.688	16
17	6.088	6.248	6.878	19.8	12.7	2.88	4.87	4.84	5.78	6.43	6.74	6.588	17
18	6.078	6.218	7.888	19.2	8.88	2.33	4.78	4.87	5.78	6.28	6.82	6.388	18
19	6.228	6.188	8.018	18.4	3.33	2.37	4.78	4.88	5.82	6.12	6.82	6.428	19
20	6.188	6.828	7.788	18.8	1.34	2.84	4.78	4.83	5.37	6.06	6.88	6.488	20
21	6.038	6.878	7.838	18.1	1.88	2.90	5.00	4.84	5.38	6.85	6.80	6.388	21
22	6.188	6.888	7.478	17.4	1.88	2.81	5.00	4.80	5.08	6.06	6.73	6.318	22
23	6.288	6.828	7.338	17.2	2.01	2.81	4.87	4.80	5.22	6.14	6.74	6.388	23
24	6.388	6.778	7.248	17.0	2.28	2.82	4.84	5.08	5.30	6.17	6.888	6.288	24
25	6.118	6.728	7.378	17.4	2.14	2.88	4.81	5.44	5.22	6.12	6.888	6.248	25
26	6.888	6.888	7.218	18.2	2.08	3.00	4.88	5.45	5.77	6.04	6.488	6.188	26
27	6.838	6.828	7.328	17.8	1.82	3.71	4.86	5.41	5.23	6.21	6.038	6.068	27
28	6.888	6.888	7.188	17.1	1.34	4.17	4.87	5.41	5.44	6.20	6.028	5.988	28
29	6.828		7.178	16.8	1.32	4.08	5.01	5.34	5.42	6.10	6.088	5.888	29
30	6.828		7.138	16.0	1.41	4.08	5.08	5.28	5.17	6.14	6.788	5.888	30
31	6.888		7.488		1.36		5.10	5.34		6.36		6.188	31
TOTAL	195.78	188.58	218.81	488.01	271.74	71.81	148.88	155.58	163.58	184.39	188.88	147.08	TOTAL
MEAN	6.31	6.88	6.88	16.8	8.77	2.48	4.74	5.02	5.45	6.38	6.88	4.74	MEAN
MAX	6.82	6.28	8.81	19.8	15.8	4.17	7.85	5.45	5.82	6.88	6.88	6.67	MAX
MIN	6.88	6.88	6.88	7.57	1.34	1.31	4.88	4.78	5.88	6.88	6.88	6.88	MIN

SUMMARY FOR THE YEAR 1983

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.38
MAXIMUM DAILY, 19.8 ON APR 17
MINIMUM DAILY, 1.31 ON JUN 4
MAXIMUM INSTANTANEOUS,
20.1 AT 00:36 CST ON APR 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 42 20 N
LONG 104 47 50 W
DRAINAGE AREA, 33 800 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	19 600	JUL	12 700
FEB	14 400	AUG	13 400
MAR	19 200	SEP	14 100
APR	40 300	OCT	14 200
MAY	23 600	NOV	14 700
JUN	6 210	DEC	12 700

TOTAL DISCHARGE, 201 000 dam³

QU'APPELLE RIVER BELOW KATEPWA LAKE - STATION NO. 05JL001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	7.67B	6.64B	7.38B	7.15	16.0	10.3	3.17	7.26	3.53	8.25E	5.68	3.95B	1
2	7.68B	6.80B	7.40B	7.09	16.1	10.2	3.64	7.32	3.76	8.50E	5.67	4.02B	2
3	7.53B	6.78B	7.40B	7.09	16.5	10.1	4.13	7.89	3.36	8.75E	5.59	4.01B	3
4	7.47B	6.74B	7.40B	7.10	16.4	9.27	4.20	7.81	2.92	7.00E	5.66	4.02B	4
5	7.38B	6.72B	7.40B	7.15	16.6	8.87	4.00A	7.65	3.13	7.25E	5.71	4.07B	5
6	7.44B	6.68B	7.39B	7.15	16.4	8.18	4.24A	7.61	3.12	7.63A	5.80	4.08B	6
7	7.45B	6.67B	7.42B	7.19	16.1	7.84	5.03A	7.67	2.88A	8.15	5.89	4.14B	7
8	7.26B	6.68B	7.44B	7.27	16.0	8.96	5.42	8.74	3.32	8.59	5.84	4.53B	8
9	7.24B	6.71B	7.43B	7.34	16.1	8.50	5.70A	8.42	4.27	8.86	5.45	4.54B	9
10	7.46B	6.77B	7.41B	8.32	16.4	8.32	5.43E	8.41	5.48A	9.21	5.48	4.67B	10
11	7.44B	6.84B	7.41B	11.6	15.8	8.89	5.88E	5.88	5.07E	9.40	5.38	5.08B	11
12	7.45B	6.93B	7.41B	11.6	14.7	8.38	5.61E	5.82	5.06A	8.58	5.22	4.83B	12
13	7.46B	7.10B	7.41B	11.6	13.4	8.18	10.0 E	5.88	4.95A	8.34	5.46	4.67B	13
14	7.48B	7.28B	7.43B	11.6	13.4	4.67	9.68A	5.27	4.47A	8.18	5.57	4.57B	14
15	7.46B	7.34B	7.43B	12.0	12.7	4.03	11.3	5.21	4.87A	7.98	5.86	4.46B	15
16	7.48B	7.38B	7.44B	11.8	12.4	3.38	11.3	4.72	4.38A	8.15	5.58	4.38B	16
17	7.44B	7.32B	7.44B	11.7	12.8	3.02	12.4	4.62	4.88A	7.61	5.62	4.39B	17
18	7.45B	7.30B	7.44B	14.6	12.8	2.85	13.5	4.79	4.78E	7.09	5.81	4.40B	18
19	7.44B	7.32B	7.39B	23.2	13.1	2.70	12.7	4.85	4.88E	6.82	5.90	4.34B	19
20	7.42B	7.33B	7.40B	24.2	13.0	2.60	11.9	3.84	4.58E	6.68	6.05	4.39B	20
21	7.40B	7.34B	7.38B	22.0	13.4	2.50	16.1	3.80	4.30A	6.71	5.82	4.42B	21
22	7.39B	7.35B	7.39B	18.3	13.0	2.45	17.6	3.37	4.04A	6.64	5.64	4.38B	22
23	7.38B	7.38B	7.34B	16.2	12.7	2.47	13.8	3.43	4.08E	6.72	5.66	4.40B	23
24	7.38B	7.38B	7.30B	15.4	12.6	2.49	12.8	3.47	4.20E	6.82	5.72	4.23B	24
25	7.28B	7.38B	7.20B	18.7	12.3	4.06	11.7	3.76	4.50E	6.46	5.60B	4.26B	25
26	7.18B	7.36B	7.18B	18.4	12.2	3.85	11.7	3.68	4.80E	6.18	5.10B	4.21B	26
27	6.98B	7.38B	7.12B	16.2	12.0	3.64	11.6	3.80	5.00E	6.36	4.41B	4.11B	27
28	6.90B	7.32B	7.08B	15.8	11.8	3.40	10.6	3.74	5.40E	6.26	4.12B	4.18B	28
29	6.88B		7.08B	15.6	11.3	3.26	9.17	3.66	5.70E	6.01	2.68B	4.21B	29
30	6.88B		7.08B	15.8	11.1	3.25	8.40	3.60	6.00E	5.86	2.70B	4.30B	30
31	6.88B		7.08B		10.7		7.84	3.51		5.82		4.23B	31
TOTAL	227.47	198.28	227.41	386.05	431.8	152.52	295.20	182.70	131.34	224.66	160.21	134.86	TOTAL
MEAN	7.34	7.08	7.34	12.8	13.9	5.08	9.52	5.25	4.38	7.25	5.34	4.34	MEAN
MAX	7.67	7.38	7.44	24.2	16.6	10.3	17.6	7.81	8.00	9.40	6.05	5.08	MAX
MIN	6.88	6.67	7.08	7.09	10.7	2.45	3.17	3.37	2.89	5.82	2.69	3.95	MIN

SUMMARY FOR THE YEAR 1983

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.49
MAXIMUM DAILY, 24.2 ON APR 20
MINIMUM DAILY, 2.45 ON JUN 22
MAXIMUM INSTANTANEOUS,
25.0 AT 01:20 CST ON APR 20

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 38 41 N
LONG 103 36 02 W
DRAINAGE AREA, 40 800 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	19 700	JUL	25 500
FEB	17 100	AUG	14 100
MAR	19 600	SEP	11 300
APR	33 500	OCT	19 400
MAY	37 300	NOV	13 800
JUN	13 200	DEC	11 600

TOTAL DISCHARGE, 236 000 dam³

QU'APPELLE RIVER BELOW LOON CREEK - STATION NO. 05JK007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.49B	5.08B	5.42B	5.30B	18.4	3.87	4.82	4.86	4.60	4.86	4.66	4.48B	1
2	5.46B	5.07B	5.44B	5.40B	18.3	3.52	4.68	4.69	4.56	4.82	4.61	4.48B	2
3	5.46B	5.03B	5.38B	5.60B	18.0	3.29	4.75	4.58	4.54	4.81	4.82	4.44B	3
4	5.41B	5.02B	5.32B	5.90B	17.8	2.95	4.87	4.44	4.50	4.83	4.69	4.40B	4
5	5.38B	5.09B	5.28B	6.50B	17.0	2.84	4.81	4.36	4.42	4.96	4.66	4.38B	5
6	5.37B	5.00B	5.40B	7.20B	16.3	3.29	4.86	4.31	4.31	5.16	4.78	4.38B	6
7	5.36B	5.56B	5.60B	10.0 B	16.0	3.17	4.50	4.29	4.26	5.27	4.81	4.35B	7
8	5.34B	5.56B	5.88B	16.2 B	15.7	2.70	4.41	4.23	4.41	5.06	4.77	4.29B	8
9	5.27B	5.53B	5.88B	15.0 B	15.5	2.49	5.82	4.30	4.78	4.93	4.78	4.27B	9
10	5.21B	5.52B	5.69B	13.9 B	15.6	2.49	6.83	4.38	4.93	4.99	4.87	4.25B	10
11	5.23B	5.46B	5.26B	13.5 B	16.3	2.51	8.73	4.40	4.96	4.93	4.80	4.26B	11
12	5.27B	5.42B	5.09B	12.2	16.0	2.46	8.15	4.53	5.00	4.80	4.83	4.28B	12
13	5.23B	5.38B	5.02B	11.6	16.4	2.58	7.41	4.80	4.53	4.87	4.86	4.31B	13
14	5.18B	5.31B	5.00B	11.6	16.7	2.82	6.31	4.84	4.80	4.72	4.83	4.28B	14
15	5.14B	5.26B	5.06B	11.6	16.4	2.47	5.58	4.59	4.92	4.82	4.88	4.26B	15
16	5.15B	5.25B	5.18B	12.3	16.2	2.54	5.46	4.53	5.17	4.82	4.90	4.27B	16
17	5.12B	5.38B	5.18B	13.7	16.0	3.12	5.11	4.61	5.36	4.81	4.84	4.27B	17
18	5.11B	5.57B	5.18B	15.6	15.7	3.24	4.82	4.46	5.25	4.81	4.93	4.28B	18
19	5.11B	5.63B	5.10B	17.5	15.5	3.12	4.75	4.42	4.89	4.80	4.88	4.26B	19
20	5.08B	5.62B	5.12B	19.7	15.3	2.88	4.66	4.39	5.01	4.81	5.01	4.31B	20
21	5.08B	5.46B	5.23B	20.1	15.1	2.85	5.74	4.46	4.97	4.86	5.05	4.31B	21
22	5.03B	5.29B	5.24B	20.4	14.3	2.84	5.36	4.37	4.88	4.61	4.80B	4.28B	22
23	5.08B	5.17B	5.18B	20.8	13.0	2.80	5.07	4.48	4.80	4.89	3.88B	4.22B	23
24	5.04B	5.11B	5.06B	20.5	11.8	3.01	5.00	4.50	4.74	4.82	4.48B	4.13B	24
25	5.01B	5.11B	5.02B	20.0	10.0	3.08	5.35	4.40	4.89	4.72	4.36B	4.03B	25
26	5.00B	5.02B	5.10B	20.4	8.50	3.03	5.08	4.41	4.71	4.71	4.52B	3.92B	26
27	5.00B	4.99B	5.27B	20.5	7.36	3.36	4.86	4.53	4.89	4.70	4.65B	3.85B	27
28	5.00B	5.18B	5.20B	20.0	6.43	3.27	4.85	4.85	4.82	4.86	4.68B	3.84B	28
29	5.00B		5.07B	19.4	5.88	3.03	4.84	4.70	4.80	4.80	4.49B	3.66B	29
30	5.78B		5.04B	18.8	5.08	4.41	4.55	4.86	4.80	4.83	4.43B	3.87B	30
31	5.70B		5.21B		4.41		4.55	4.80		4.83		3.81B	31
TOTAL	160.16	151.61	163.23	431.80	430.27	91.31	167.37	136.75	143.80	150.41	141.90	130.85	TOTAL
MEAN	5.13	5.41	5.27	14.4	13.9	3.04	5.40	4.48	4.79	4.85	4.73	4.21	MEAN
MAX	6.49	5.86	5.86	20.8	18.4	4.41	8.73	4.70	5.36	5.27	5.05	4.46	MAX
MIN	5.70	4.99	5.00	5.30	4.41	2.47	4.41	4.23	4.26	4.60	3.85	3.81	MIN

SUMMARY FOR THE YEAR 1983

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.38
MAXIMUM DAILY, 20.8 ON APR 23
MINIMUM DAILY, 2.47 ON JUN 15
MAXIMUM INSTANTANEOUS,
20.8 AT 11:05 CST ON APR 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 47 11 N
LONG 104 17 21 W
DRAINAGE AREA, 38 800 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	16 400	JUL	14 500
FEB	13 100	AUG	12 000
MAR	14 100	SEP	12 400
APR	27 200	OCT	13 000
MAY	27 200	NOV	12 300
JUN	7 690	DEC	11 300

TOTAL DISCHARGE, 201 000 dam³

QU'APPELLE RIVER BELOW MOOSE JAW RIVER - STATION NO. 05JG007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.8200	0.8100	0.8000	9.750	13.1	4.83	0.844	0.882	0.711	0.527	0.244	0.6310	1
2	0.8210	0.8000	0.8000	13.2 B	13.8	2.87	0.806	0.882	0.665	0.592	0.217	0.6210	2
3	0.8230	0.8500	0.7000	14.1 B	13.8	2.88	0.700	0.864	0.639	0.590	0.281	0.8500	3
4	0.8250	0.8200	1.00 B	12.6 B	12.8	2.10	0.831	0.852	0.838	0.575	0.357	0.8940	4
5	0.8270	0.8200	1.50 B	11.0 B	11.3	1.83	0.800	0.814	0.818	0.582	0.353	0.9110	5
6	0.8300	0.8200	1.00 B	13.4 B	10.5	1.57	0.807	0.872	0.852	0.621	0.332	0.9240	6
7	0.8000	0.8200	2.82 B	21.2 B	9.53	1.50	0.874	0.825	0.488	0.643	0.373	0.9220	7
8	0.8350	0.8200	0.8868	30.7 B	7.77	1.41	0.844	0.818	0.471	0.642	0.314	0.9340	8
9	0.8250	0.8200	1.08 B	40.2 B	7.78	1.29	0.828	0.800	0.871	0.824	0.303	0.8888	9
10	0.8200	0.8300	1.19 B	55.2	8.85	1.17	0.782	0.809	0.781	0.806	0.339	0.8388	10
11	0.8500	0.8300	1.62 B	51.5	8.58	1.03	0.883	0.498	1.02	0.587	0.458	0.7528	11
12	0.8400	0.8300	1.87 B	48.8	8.42	0.991	0.888	0.498	0.883	0.594	0.574	0.8558	12
13	0.8405	0.8300	2.71 B	47.3	8.73	1.08	1.03	0.451	0.873	1.07	0.598	0.8008	13
14	0.8500	0.8300	5.80 B	45.8	9.84	1.14	0.802	0.417	0.778	0.930	0.831	0.8188	14
15	0.8500	0.8300	7.88 B	44.2	9.23	0.939	0.852	0.418	0.740	0.773	0.857	0.8288	15
16	0.8205	0.8300	10.8 B	42.7	8.77	1.11	0.792	0.383	0.718	0.687	0.757	0.8888	16
17	0.8005	0.8300	8.78 B	42.7	8.11	1.20	0.728	0.385	0.758	0.853	0.807	0.8628	17
18	0.8005	0.8500	8.58 B	41.0	8.58	1.24	0.888	0.403	0.704	0.811	0.888	0.8148	18
19	0.8205	0.8505	8.08 B	38.6	8.08	1.17	0.888	0.409	0.675	0.578	0.908	0.8208	19
20	0.8408	0.8458	4.84 B	35.1	7.34	1.11	0.721	0.372	0.812	0.328	0.894	0.8718	20
21	0.8402	0.8402	3.78 B	31.1	7.89	1.01	0.785	0.318	0.884	0.258	0.7848	0.8248	21
22	0.8402	0.8388	3.08 B	28.2	8.03	1.03	1.47	0.328	0.581	0.243	0.8808	0.8318	22
23	0.8208	0.8388	3.12 B	25.0	8.07	1.07	1.15	0.323	0.583	0.227	0.9158	0.7208	23
24	0.8008	0.8388	3.77 B	22.0	8.89	0.985	0.882	0.334	0.884	0.284	0.8988	0.7198	24
25	0.8308	0.8385	3.87 B	19.3	8.89	0.933	0.773	0.337	0.887	0.263	0.8248	0.8438	25
26	0.8108	0.8388	3.83 B	16.1	8.11	0.787	0.714	0.338	0.823	0.314	0.8728	0.8418	26
27	0.8108	0.8408	3.38 B	15.8	8.33	0.720	0.708	0.340	0.823	0.311	0.8678	0.8108	27
28	0.8208	0.8458	2.88 B	14.7	7.49	0.885	0.708	0.408	0.833	0.287	0.9098	0.5858	28
29	0.8208		2.74 B	14.1	8.82	0.852	0.888	0.778	0.840	0.271	0.9178	0.8128	29
30	0.8208		3.08 B	13.6	8.88	0.848	0.881	0.788	0.821	0.288	0.8838	0.8738	30
31	0.8208		5.44 B		8.41		0.718	0.743		0.283		0.8818	31
TOTAL	18.778	17.491	108.148	859.05	258.80	40.826	23.889	18.183	19.882	15.888	19.024	23.178	TOTAL
MEAN	0.805	0.835	3.48	28.6	8.34	1.36	0.770	0.480	0.885	0.513	0.634	0.715	MEAN
MAX	0.850	0.880	10.8	55.2	13.8	4.83	1.47	0.778	1.02	1.07	0.817	0.834	MAX
MIN	0.450	0.500	0.880	9.75	8.41	0.848	0.844	0.318	0.471	0.227	0.217	0.583	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.88
MAXIMUM DAILY, 55.2 ON APR 10
MINIMUM DAILY, 0.217 ON NOV 2
MAXIMUM INSTANTANEOUS,
57.8 AT 11:04 CST ON APR 10

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 34 40 N
LONG 105 15 00 W
DRAINAGE AREA, 12 700 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 620	JUL	2 080
FEB	1 510	AUG	1 310
MAR	9 340	SEP	1 720
APR	74 200	OCT	1 370
MAY	22 300	NOV	1 640
JUN	3 510	DEC	1 920

TOTAL DISCHARGE, 123 000 dam³

QU'APPELLE RIVER NEAR LUMSDEN - STATION NO. 05JF001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.178	1.178	1.508	8.478	27.8	8.02	2.30	15.5	1.82	1.28	1.17	1.03 B	1
2	1.238	1.188	1.518	10.8 B	28.5	7.41	4.05	13.3	1.84	1.21	1.02	0.9978	2
3	1.318	1.188	1.518	15.4 B	28.0	5.76	3.82	11.4	1.71	1.33	1.00	0.9848	3
4	1.288	1.188	1.508	18.4 B	24.3	5.02	3.78	9.75	1.55	1.24	1.04	0.9628	4
5	1.388	1.228	1.538	18.7 B	22.0	4.30	2.88	7.98	1.80	1.32	1.30	0.9738	5
6	1.488	1.208	1.608	16.9 B	18.8	3.85	2.28	4.33	1.83	1.13	1.32	0.9838	6
7	1.478	1.288	1.648	16.0 B	16.9	3.41	2.10	4.12	1.44	1.16	1.66	0.9958	7
8	1.448	1.288	1.628	22.9 B	13.7	3.13	2.12	3.74	1.84	1.18	1.43	0.9818	8
9	1.428	1.288	1.618	27.6 B	11.6	2.83	2.13	3.48	1.60	1.18	1.08	0.9848	9
10	1.438	1.238	1.688	37.0 B	11.3	2.73	19.5	3.38	2.22	1.44	1.81	0.8908	10
11	1.468	1.188	1.838	41.8 B	10.2	2.87	38.4	3.11	3.23	1.48	1.72	1.00 B	11
12	1.388	1.278	2.288	48.8 B	10.2	2.88	28.3	3.88	2.58	1.20	1.58	1.04 B	12
13	1.258	1.318	2.808	58.8	10.1	2.84	15.4	3.52	3.11	1.21	1.84	1.04 B	13
14	1.188	1.338	2.388	54.0	12.1	3.43	11.8	3.13	2.41	1.30	2.03	1.02 B	14
15	1.188	1.338	1.938	55.3	13.1	2.93	10.8	3.03	2.38	1.80	1.83	0.9618	15
16	1.218	1.388	1.988	55.7	10.8	2.22	11.8	2.87	2.40	1.88	1.82	1.00 B	16
17	1.238	1.248	6.858	55.7	8.78	2.06	12.2	2.32	2.48	1.45	1.80	1.08 B	17
18	1.268	1.238	11.7 B	55.7	10.1	2.35	13.0	1.82	2.03	1.34	1.39	1.10 B	18
19	1.188	1.308	10.7 B	52.8	10.5	2.73	13.9	1.84	2.18	1.22	1.85	1.15 B	19
20	1.168	1.388	8.018	48.7	10.9	4.33	14.8	1.42	1.91	1.20	1.88	1.10 B	20
21	1.178	1.348	7.788	48.8	11.2	4.83	24.3	1.58	1.80	1.29	1.618	1.08 B	21
22	1.178	1.378	8.678	44.4	11.2	4.83	24.8	1.48	1.88	1.28	1.888	1.00 B	22
23	1.188	1.388	5.618	43.8	11.6	5.48	30.8	1.41	1.82	0.887	1.828	1.00 B	23
24	1.158	1.408	4.848	43.8	12.1	5.38	18.7	1.37	1.33	0.870	1.738	1.00 B	24
25	1.158	1.428	4.658	44.7	13.4	5.83	18.3	1.43	1.18	0.833	1.428	1.00 B	25
26	1.188	1.438	4.878	44.8	12.2	7.68	18.8	1.51	0.988	0.838	1.248	1.01 B	26
27	1.218	1.458	5.008	42.6	11.7	4.88	18.7	1.88	0.878	0.888	1.118	1.02 B	27
28	1.188	1.488	4.778	38.7	10.8	3.84	18.7	1.88	1.15	1.08	1.088	1.03 B	28
29	1.158		4.488	34.2	10.0	3.08	18.8	1.41	1.17	1.15	1.088	1.04 B	29
30	1.158		4.178	30.9	9.28	2.87	24.1	1.63	1.28	1.14	1.088	1.05 B	30
31	1.128		4.478		8.82		20.2	1.84		1.15		1.06 B	31
TOTAL	38.81	36.49	124.08	1 127.87	426.34	123.39	461.88	130.88	68.158	38.288	48.31	31.830	TOTAL
MEAN	1.25	1.30	4.00	37.8	13.7	4.11	14.2	3.89	1.87	1.24	1.61	1.02	MEAN
MAX	1.48	1.48	11.7	55.7	27.8	8.02	38.4	15.5	3.23	1.80	2.03	1.15	MAX
MIN	1.12	1.17	1.50	5.47	8.82	2.06	2.10	1.37	0.988	0.828	1.00	0.962	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.15
MAXIMUM DAILY, 55.7 ON APR 17
MINIMUM DAILY, 0.828 ON OCT 28
MAXIMUM INSTANTANEOUS,
60.1 AT 10:00 CST ON APR 12

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 39 15 N
LONG 104 51 05 W
DRAINAGE AREA, 18 200 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	3 380	JUL	36 300
FEB	3 180	AUG	10 400
MAR	10 700	SEP	4 480
APR	97 400	OCT	3 310
MAY	38 800	NOV	3 810
JUN	10 700	DEC	2 730

TOTAL DISCHARGE, 226 000 dam³

QU'APPELLE RIVER NEAR WELBY - STATION NO. 05JM001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	7.058	7.088	7.288	8.158	32.3	17.0	5.47	13.6	3.91E	8.80	8.88	4.808	1
2	7.038	6.998	7.208	8.278	34.9	16.8	5.76	14.3	3.78E	8.81	8.52	4.938	2
3	7.158	6.988	7.208	8.418	36.7	16.6	6.02	14.8 A	3.66E	7.02	8.42	5.368	3
4	7.298	7.078	7.248	8.508	38.8	16.7	6.12	15.5 E	3.48E	8.97	8.32	5.618	4
5	7.318	7.118	7.238	8.628	41.1	16.7	6.26	15.9 A	3.27E	8.95	8.17	5.788	5
6	7.388	7.128	7.318	8.808	42.6	16.4	6.22	16.2	3.11A	7.71	8.09	5.768	6
7	7.448	7.088	7.308	8.958	43.3	15.9	5.83	16.3	2.97	8.14	7.99	5.828	7
8	7.608	6.898	7.208	9.808	43.1	15.6	5.45E	16.1	2.84	8.34	7.82A	5.788	8
9	7.628	6.728	7.088	10.0 B	42.5	15.1	5.56E	15.8	4.78	8.25	7.84E	5.728	9
10	7.578	6.628	7.048	10.4 B	41.4	14.9	5.87A	15.4	6.72	8.11	7.89E	5.638	10
11	7.668	6.538	7.088	11.2 B	39.8	14.6	6.20E	14.6	5.98	7.84	7.58E	5.568	11
12	7.628	6.538	7.048	11.8 B	38.5	14.2	6.68E	13.8 E	5.83	7.87	7.68E	5.518	12
13	7.408	6.668	7.048	12.0 B	37.4	13.7	6.89E	12.7 A	5.96	7.84	7.58E	5.508	13
14	7.218	6.788	7.028	11.8 B	36.7	14.6 E	6.30A	11.5	5.09	7.85	7.50E	5.538	14
15	7.618	6.988	7.068	11.6 B	35.6	15.2 E	6.29	10.4	6.32	7.81	7.42E	5.518	15
16	7.658	7.158	7.118	11.4 B	34.6	12.2 E	7.22	9.28A	6.43E	7.43	7.18E	5.398	16
17	7.638	7.238	7.168	11.2 B	33.9	9.46A	7.72	8.70A	8.70E	7.36	7.11E	5.258	17
18	7.578	7.278	7.238	11.4 B	32.9	7.69	8.17	8.17	8.85E	7.43	7.10E	5.078	18
19	7.228	7.328	7.338	15.0 B	31.8	7.12	8.56	7.62	8.40E	7.70	7.08E	4.858	19
20	6.788	7.148	7.468	25.0 B	29.4	6.63	9.04A	7.24A	8.14A	8.08	7.00B	4.628	20
21	6.978	7.188	7.578	72.6	24.1	6.30	9.58A	6.75E	5.00E	8.48	6.97B	4.468	21
22	7.168	7.428	7.688	84.6	21.6	6.15	9.86	6.88E	5.10A	8.54	6.82B	4.338	22
23	7.208	7.468	7.768	84.1	20.5	6.06	10.4	6.51E	5.12	8.58	6.40B	4.188	23
24	7.238	7.528	7.768	83.7	19.7	5.92E	10.7 A	6.17E	4.88	8.57	6.57B	3.928	24
25	7.288	7.648	7.878	45.3	19.2	5.72E	10.8	6.83E	4.86	8.53	6.32B	3.868	25
26	7.388	7.388	7.678	36.1	18.7	5.92E	10.9	6.71E	4.78	8.50	6.12B	3.618	26
27	7.428	7.108	7.768	31.0	18.3	6.33A	11.1	6.49E	4.67	8.39	5.84B	3.118	27
28	7.328	7.138	7.788	29.6	17.9	5.87	11.4	6.31E	4.80	8.23	6.04B	3.088	28
29	7.078		7.848	29.6	17.7	5.59	11.8	6.26E	8.15	8.07	3.93B	3.128	29
30	7.018		7.888	30.7	17.6	5.47	12.3	6.15E	8.78	8.89	4.23B	3.128	30
31	7.078		8.038		17.3		12.8	6.03E		8.79		3.078	31
TOTAL	226.79	197.99	228.00	700.50	980.4	336.93	253.18	312.08	147.35	255.54	209.84	147.20	TOTAL
MEAN	7.32	7.07	7.39	23.4	31.0	11.2	8.17	10.1	4.91	8.24	6.99	4.75	MEAN
MAX	7.82	7.84	8.03	84.6	43.3	17.0	12.8	16.3	8.78	8.89	8.68	5.82	MAX
MIN	6.78	6.83	7.02	8.15	17.3	5.47	5.45	4.03	2.84	5.80	3.93	3.02	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.9
MAXIMUM DAILY, 84.6 ON APR 22
MINIMUM DAILY, 2.84 ON SEP 8
MAXIMUM INSTANTANEOUS,
95.8 AT 01:05 CST ON APR 22

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 29 28 N
LONG 101 33 28 W
DRAINAGE AREA, 50 800 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	19 800	JUL	21 900
FEB	17 100	AUG	27 000
MAR	19 800	SEP	12 700
APR	80 500	OCT	22 100
MAY	83 000	NOV	18 100
JUN	29 100	DEC	12 700

TOTAL DISCHARGE, 344 000 dam³

QUILL CREEK NEAR QUILL LAKE - STATION NO. 05MA020

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.451	0	0	0.004	0	0	---	---	1
2	---	---	0B	0 B	0.311	0.002	0	0.274	0	0	---	---	2
3	---	---	0B	0 B	0.175	0	0	0.212	0	0	---	---	3
4	---	---	0B	0 B	0.154	0	0.001	0.121	0	0	---	---	4
5	---	---	0B	0 B	0.118	0	0.004	0.057	0	0	---	---	5
6	---	---	0B	0 B	0.073	0	0	0.031	0	0	---	---	6
7	---	---	0B	0 B	0.054	0	0	0.016	0	0	---	---	7
8	---	---	0B	0 B	0.027	0	0.142	0.019	0	0	---	---	8
9	---	---	0B	0 B	0.032	0	0.225	0.041	0	0	---	---	9
10	---	---	0B	0 B	0.243	0	0.109	0.045	0	0	---	---	10
11	---	---	0B	0 B	0.140	0	0.295	0.041	0	0	---	---	11
12	---	---	0B	0 B	0.129	0	0.470	0.040	0	0	---	---	12
13	---	---	0B	0 B	0.103	0	0.840	0.033	0	0	---	---	13
14	---	---	0B	0 B	0.084	0	0.833	0.018	0	0	---	---	14
15	---	---	0B	0 B	0.079	0	0.408	0	0	0	---	---	15
16	---	---	0B	0 B	0.085	0	0.228	0	0	0	---	---	16
17	---	---	0B	0 B	0.068	0	0.088	0	0	0	---	---	17
18	---	---	0B	0.100B	0.018	0	0.010	0	0	0	---	---	18
19	---	---	0B	0.805B	0.120	0	0	0	0	0	---	---	19
20	---	---	0B	1.10 B	0.086	0	0	0	0	0	---	---	20
21	---	---	0B	2.97 B	0.085	0	0	0	0	0	---	---	21
22	---	---	0B	5.31	0.049	0	0	0	0	0	---	---	22
23	---	---	0B	4.24	0.052	0	0	0	0	0	---	---	23
24	---	---	0B	2.71	0.080	0	0	0	0	0	---	---	24
25	---	---	0B	1.84	0.008	0	0	0	0	0	---	---	25
26	---	---	0B	1.89	0	0	0	0	0	0	---	---	26
27	---	---	0B	1.45	0	0	0	0	0	0	---	---	27
28	---	---	0B	1.07	0	0	0	0	0	0	---	---	28
29	---		0B	0.846	0	0	0	0	0	0	---	---	29
30	---		0B	0.649	0.002	0	0	0	0	0	---	---	30
31	---		0B		0.001		0	0		0		---	31
TOTAL	---	---	0	34.580	3.748	0.002	3.459	0.952	0	0	---	---	TOTAL
MEAN	---	---	0	0.819	0.089	0	0.112	0.031	0	0	---	---	MEAN
MAX	---	---	0	5.31	0.451	0.002	0.840	0.274	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.130
MAXIMUM DAILY, 5.31 ON APR 22
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
5.75 AT 00:55 CST ON APR 22

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 00 11 N
LONG 104 14 50 W
DRAINAGE AREA, 274 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	288
FEB	---	AUG	82.3
MAR	0	SEP	0
APR	2 130	OCT	0
MAY	237	NOV	---
JUN	0.17	DEC	---

TOTAL DISCHARGE, 2 740 dam³

RADDUSA CREEK NEAR BLAINE LAKE - STATION NO. 05CE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	00	0 [illegible]	0	0	0	0	0	0	0	---	1
2	---	---	00	0 [illegible]	0	0	0	0	0	0	0	---	2
3	---	---	00	0 [illegible]	0	0	0	0	0	0	0	---	3
4	---	---	00	0 [illegible]	0	0	0	0	0	0	0	---	4
5	---	---	00	0.0000	0	0	0	0	0	0	---	---	5
6	---	---	00	0.4648	0	0	0	0	0	0	---	---	6
7	---	---	00	0.2618	0	0	0	0	0	0	---	---	7
8	---	---	00	0.158	0	0	0	0	0	0	---	---	8
9	---	---	00	0.101	0	0	0	0	0	0	---	---	9
10	---	---	00	0.074	0	0	0	0	0	0	---	---	10
11	---	---	00	0.042	0	0	0	0	0	0	---	---	11
12	---	---	00	0.026	0	0	0	0	0	0	---	---	12
13	---	---	00	0.011	0	0	0	0	0	0	---	---	13
14	---	---	00	0.003	0	0	0	0	0	0	---	---	14
15	---	---	00	0.046	0	0	0	0	0	0	---	---	15
16	---	---	00	0.026	0	0	0	0	0	0	---	---	16
17	---	---	00	0.022	0	0	0	0	0	0	---	---	17
18	---	---	00	0.009	0	0	0	0	0	0	---	---	18
19	---	---	00	0.002	0	0	0	0	0	0	---	---	19
20	---	---	00	0.004	0	0	0	0	0	0	---	---	20
21	---	---	00	0.001	0	0	0	0	0	0	---	---	21
22	---	---	00	0.003	0	0	0	0	0	0	---	---	22
23	---	---	00	0.004	0	0	0	0	0	0	---	---	23
24	---	---	00	0.004	0	0	0	0	0	0	---	---	24
25	---	---	00	0.003	0	0	0	0	0	0	---	---	25
26	---	---	00	0.003	0	0	0	0	0	0	---	---	26
27	---	---	00	0.005	0	0	0	0	0	0	---	---	27
28	---	---	00	0.002	0	0	0	0	0	0	---	---	28
29	---		00	0.001	0	0	0	0	0	0	---	---	29
30	---		00	0	0	0	0	0	0	0	---	---	30
31	---		00		0		0	0		0	---	---	31
TOTAL	---	---	0	1.483	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.049	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0.464	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.006
MAXIMUM DAILY, 0.4648 ON APR 6
MINIMUM DAILY, 00 ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 41 37 N
LONG 106 52 38 W
DRAINAGE AREA, 1 150 km²

E - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	128	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 128 dam³

RADVILLE INDEX RESERVOIR - STATION NO 05HA005

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	29.840E	30.090E	30.430	30.408E	30.383	30.121	29.984	29.807	29.854A	---	1
2	---	---	---	30.080E	30.427	30.406E	30.381	30.122	29.984	29.807	---	---	2
3	---	---	---	30 100E	30.422	30.393E	30.378	30.114	29.973	29.808	---	---	3
4	---	---	---	30 150E	30.416	30.385E	30.368	30.105	29.966	29.807	---	---	4
5	---	---	---	30 200E	30.415	30.380E	30.364	30.098	29.969	29.804	---	---	5
6	---	---	---	30 270E	30.410	30.378A	30.356	30 191	29.950	29.803	---	---	6
7	---	---	---	30 350E	30.403A	30.388	30.248	30 184	29.944	29.801	---	---	7
8	---	---	---	30.420E	30.408E	30.367	30.238	30.176	29.937	29.800	---	---	8
9	---	---	---	30.530E	30.410E	30.360	30.237	30.167	29.943	29.806	---	---	9
10	---	---	---	30.600E	30.408E	30.366	30.251	30.161	29.941	29.809	---	---	10
11	---	---	---	30.680A	30.415E	30.361	30.262	30.151	29.939	29.805	---	---	11
12	---	---	---	30.605A	30.428E	30.372	30.248	30.139	29.942	29.803	---	---	12
13	---	---	---	30.580E	30.440E	30.370	30.238	30.137	29.938	29.801	---	---	13
14	---	---	---	30.590E	30.455E	30.366	30.231	30.117	29.938	29.800	---	---	14
15	---	---	---	30.645E	30.480E	30.360	30.220	30.107	29.948	29.802	---	---	15
16	---	---	---	30.630E	30.490E	30.356	30.219	30.097	29.948	29.802	---	---	16
17	---	---	---	30.620E	30.488E	30.347	30.212	30.087	29.942	29.803	---	---	17
18	---	---	---	30.610E	30.490E	30.341	30.208	30.078	29.938	29.879	---	---	18
19	---	---	---	30.602E	30.486E	30.336	30.204	30.083	29.938	29.876	---	---	19
20	---	---	---	30.498A	30.488E	30.328	30.189	30.084	29.932	29.876	---	---	20
21	---	---	---	30.488	30.482E	30.321	30.189	30.068	29.917	29.878	---	---	21
22	---	---	---	30.476	30.480E	30.318	30.188	30.068	29.915	29.873	---	---	22
23	---	---	---	30.488	30.488E	30.313	30.179	30.060	29.912	29.872	---	---	23
24	---	---	---	30.482	30.490E	30.307	30.172	30.068	29.911	29.889	---	---	24
25	---	---	---	30.487	30.443E	30.301	30.163	30.066	29.908	29.888	---	---	25
26	---	---	---	30.482	30.438E	30.291	30.162	30.037	29.906	29.884	---	---	26
27	---	---	---	30.468	30.430E	30.285	30.153	30.030	29.902	29.883	---	---	27
28	---	---	---	30.441	30.438E	30.279	30.145	30.023	29.898	29.889	---	---	28
29	---		---	30.437	30.430E	30.274	30.138	30.030	29.891	29.887	---	---	29
30	---		---	30.433	30.418E	30.269	30.137	30.013	29.888	29.884	---	---	30
31	---		29.970E		30.413A		30.128	30.004		29.885		---	31
MEAN	---	---	---	30.434	30.436	30.343	30.213	30.091	29.934	29.884	---	---	MEAN
MAX	---	---	---	30.680	30.488	30.408	30.263	30.191	29.994	29.903	---	---	MAX
MIN	---	---	---	30.600	30.403	30.274	30.128	30.004	29.891	29.885	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 30.680A ON APR 11

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 31 35 N
LONG 104 16 50 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

RANCH CREEK NEAR ARBAKHIM - STATION NO. 05MA014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.210	0.012	0.053	0.008	0	0	---	---	1
2	---	---	0B	0 B	0.165	0.012	0.058	0.005	0	0	---	---	2
3	---	---	0B	0 B	0.120	0.011	0.074	0.026	0	0	---	---	3
4	---	---	0B	0 B	0.081	0.011	0.085	0.005	0	0	---	---	4
5	---	---	0B	0 B	0.078	0.010	0.088	0.002	0	0	---	---	5
6	---	---	0B	0 B	0.070	0.008	0.051	0.007	0	0	---	---	6
7	---	---	0B	0.0028	0.058	0.008	0.048	0.003	0	0	---	---	7
8	---	---	0B	0.0068	0.046	0.008	0.037	0.002	0	0	---	---	8
9	---	---	0B	0.0228	0.043	0.006	0.041	0.003	0	0	---	---	9
10	---	---	0B	0.1078	0.170	0.007	0.051	0.003	0	0	---	---	10
11	---	---	0B	0.2838	0.070	0.008	0.073	0.002	0	0	---	---	11
12	---	---	0B	0.0178	0.053	0.006	0.060	0.001	0	0	---	---	12
13	---	---	0B	0.0068	0.063	0.014	0.044	0	0	0	---	---	13
14	---	---	0B	0.0208	0.058	0.036	0.039	0	0	0	---	---	14
15	---	---	0B	0.3038	0.060	0.018	0.043	0	0	0	---	---	15
16	---	---	0B	0.8818	0.052	0.015	0.042	0	0	0	---	---	16
17	---	---	0B	0.6408	0.048	0.012	0.020	0	0	0	---	---	17
18	---	---	0B	1.51 B	0.045	0.009	0.019	0	0	0	---	---	18
19	---	---	0B	2.87 B	0.047	0.008	0.014	0	0	0	---	---	19
20	---	---	0B	3.87 B	0.047	0.007	0.011	0	0	0	---	---	20
21	---	---	0B	3.63 B	0.058	0.007	0.035	0	0	0	---	---	21
22	---	---	0B	1.48	0.053	0.007	0.033	0	0	0	---	---	22
23	---	---	0B	1.03	0.042	0.006	0.008	0	0	0	---	---	23
24	---	---	0B	0.816	0.033	0.005	0.014	0	0	0	---	---	24
25	---	---	0B	0.512	0.029	0.005	0.010	0	0	0	---	---	25
26	---	---	0B	0.644	0.023	0.005	0.011	0	0	0	---	---	26
27	---	---	0B	0.894	0.018	0.268	0.008	0	0	0	---	---	27
28	---	---	0B	0.528	0.015	0.271	0.005	0	0	0	---	---	28
29	---		0B	0.390	0.015	0.132	0.006	0	0	0	---	---	28
30	---		0B	0.260	0.013	0.073	0.005	0	0	0	---	---	30
31	---		0B		0.012		0.010	0		0	---	---	31
TOTAL	---	---	0	20.088	1.885	0.837	1.108	0.070	0	0	---	---	TOTAL
MEAN	---	---	0	0.689	0.061	0.031	0.036	0.002	0	0	---	---	MEAN
MAX	---	---	0	3.87	0.210	0.271	0.085	0.026	0	0	---	---	MAX
MIN	---	---	0	0	0.012	0.005	0.005	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.088
MAXIMUM DAILY, 3.870 ON APR 19
MINIMUM DAILY, 00 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.730 AT 00:00 CST ON APR 19

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 39 45 N
LONG 104 48 40 W
DRAINAGE AREA, 89.7 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	95.7
FEB	---	AUG	6.05
MAR	0	SEP	0
APR	1 730	OCT	0
MAY	164	NOV	---
JUN	81.0	DEC	---

TOTAL DISCHARGE, 2 080 dam³

RANCH LAKE NEAR ST. JAMES - STATION NO. 05MA034

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	882.878	---	---	---	---	882.381	---	3
4	---	---	---	---	---	---	882.818	882.878	882.348	882.318	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	882.888	882.888	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	882.388	---	---	8
9	---	---	---	---	---	---	---	882.488	882.347	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	882.838	882.878	---	---	---	---	---	12
13	---	---	---	---	---	---	---	882.438	---	882.388	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	882.337	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	882.873	882.833	---	---	---	---	17
18	---	---	---	---	---	882.808	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	882.381	---	---	19
20	---	---	---	---	---	---	---	---	882.307	---	---	---	20
21	---	---	---	---	---	---	882.848	882.888	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	882.478	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	882.381	---	---	---	25
26	---	---	---	---	882.888	---	---	---	---	882.278	---	---	26
27	---	---	---	---	---	---	882.818	882.388	---	---	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	---	---	---	---	---	882.488	---	---	---	---	---	---	29
30	---	---	---	---	---	---	---	---	---	882.288	---	---	30
31	---	---	---	---	---	---	---	---	882.336	---	---	---	31
						882.448	882.888	882.388	---	---	---	---	
						---	---	---		882.288		---	
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 38 41 N
LONG 104 48 02 W
DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

RED DEER RIVER NEAR ARCHERWILL - STATION NO. 05LA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	1.74	1.67	4.37	0	0.388	0.001	---	---	1
2	---	---	0B	0 B	1.23	1.18	4.23	0	0.308	0.001	---	---	2
3	---	---	0B	0 B	1.10	0.926	3.80	0.004	0.436	0.001	---	---	3
4	---	---	0B	0 B	1.35	1.10	3.38	0.587	0.252	0.001	---	---	4
5	---	---	0B	0 B	1.35	2.38	4.00	2.88	0.316	0.001	---	---	5
6	---	---	0B	0 B	1.38	7.00	2.62	2.30	0.282	0.001	---	---	6
7	---	---	0B	0 B	1.84	4.28	2.52	0.109	0.378	0.001	---	---	7
8	---	---	0B	0 B	1.81	0.724	0.136	0.285	0.376	0.001	---	---	8
9	---	---	0B	0 B	1.26	0.926	0.075	0.388	0.281	0.001	---	---	9
10	---	---	0B	0 B	0.800	0.808	0.048	0.032	0.272	0.001	---	---	10
11	---	---	0B	0 B	1.36	1.16	0.073	0.520	0.308	0.001	---	---	11
12	---	---	0B	0 B	1.24	1.02	0.087	0.488	0.341	0.001	---	---	12
13	---	---	0B	0 B	1.04	0.893	0.052	0.182	0.383	0	---	---	13
14	---	---	0B	0 B	2.08	0.377	0.033	0.846	0.380	0	---	---	14
15	---	---	0B	0 B	3.00	0.523	1.28	0.221	0.372	0	---	---	15
16	---	---	0B	0 B	2.32	0.788	4.15	0.178	0.713	0	---	---	16
17	---	---	0B	0 B	1.87	0.801	2.62	0.088	1.08	0	---	---	17
18	---	---	0B	0 B	1.86	1.30	0.186	0.024	0.884	0	---	---	18
19	---	---	0B	0.208B	1.77	0.840	0.014	0	0.083	0	---	---	19
20	---	---	0B	0.488	1.87	0.713	0.008	0.184	0.062	0	---	---	20
21	---	---	0B	0.301	1.43	0.486	0.060	0.138	0.036	0	---	---	21
22	---	---	0B	0.589	1.88	0.334	0.015	0.015	0.018	0	---	---	22
23	---	---	0B	0.885	1.57	0.356	0	0.061	0.017	0	---	---	23
24	---	---	0B	0.705	1.83	0.432	0	0.081	0.017	0	---	---	24
25	---	---	0B	0.307	2.32	0.430	0.001	0.285	0.011	0	---	---	25
26	---	---	0B	0.216	1.67	0.193	0.125	0.218	0.065	0	---	---	26
27	---	---	0B	0.460	1.36	0.326	0.033	0.343	0.001	0	---	---	27
28	---	---	0B	0.679	0.853	0.676	0.010	0.276	0.001	0	---	---	28
29	---		0B	0.804	1.28	4.01	0.006	0.328	0.001	0	---	---	29
30	---		0B	1.10	1.15	4.51	0.010	0.317	0.001	0	---	---	30
31	---		0B		1.38		0.003	0.433		0 A		---	31
TOTAL	---	---	0	6.824	48.133	42.170	36.221	11.018	7.477	0.012	---	---	TOTAL
MEAN	---	---	0	0.227	1.55	1.41	1.17	0.355	0.249	0	---	---	MEAN
MAX	---	---	0	1.10	3.00	7.00	4.37	2.88	1.08	0.001	---	---	MAX
MIN	---	---	0	0	0.800	0.193	0	0	0.001	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.830
MAXIMUM DAILY, 7.00 ON JUN 6
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
7.27 AT 23:42 CST ON JUN 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 26 06 N
LONG 103 41 40 W
DRAINAGE AREA, 1 870 km^2
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 130
FEB	---	AUG	952
MAR	0	SEP	646
APR	590	OCT	1.04
MAY	4 160	NOV	---
JUN	3 640	DEC	---

TOTAL DISCHARGE, 13 100 dam^3

RED DEER RIVER NEAR ERWOOD - STATION NO. 05LC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.858B	0.918B	0.831B	0.836B	52.7	30.3	11.0	23.6	1.88	13.3	4.18	3.778	1
2	0.832B	0.884B	0.780B	0.868B	50.3	18.8	12.7	21.3	1.75	12.6	4.26	3.678	2
3	1.03 B	0.913B	0.863B	0.802B	47.1	22.8	36.7	19.0	1.49	11.2	4.41	3.338	3
4	0.962B	0.879B	0.712B	0.769B	42.8	35.5	62.6	17.1	1.34	10.3	4.59	3.138	4
5	0.876B	0.773B	0.839B	0.890B	39.8	54.9	99.8	15.1	1.18	9.84	4.84	3.088	5
6	0.890B	0.885B	0.868B	0.834B	35.8	58.5	102	13.4	1.44	8.87	5.13	3.308	6
7	0.883B	0.880B	0.834B	0.728B	32.8	55.6	88.7	11.8	1.88	8.77	5.85	3.338	7
8	0.948B	0.837B	0.892B	0.838B	30.8	51.4	72.5	10.3	1.82	8.92	5.84	3.408	8
9	0.830B	0.833B	0.868B	1.07 B	28.8	47.8	66.8	9.24	2.76	8.25	5.85	3.308	9
10	0.810B	0.904B	0.868B	1.03 B	28.8	47.4	61.2	8.51	2.81	7.48	6.61	3.088	10
11	0.814B	0.885B	0.819B	1.06 B	30.4	40.3	81.8	8.54	4.80	7.23	6.43	3.288	11
12	0.838B	0.831B	0.487B	1.04 B	32.7	36.8	88.8	8.04	8.43	8.77	5.70	1.828	12
13	0.892B	0.848B	0.483B	1.04 B	35.5	42.8	86.4	7.32	11.7	6.88	5.478	1.898	13
14	0.871B	0.800B	0.484B	1.05 B	35.7	65.1	66.3	6.35	11.5	6.38	5.678	1.888	14
15	1.03 B	0.810B	0.411B	0.864B	40.1	76.8	88.8	6.05	10.8	6.08	5.138	2.088	15
16	0.902B	0.884B	0.412B	0.894B	42.8	81.4	76.7	7.03	8.80	5.82	5.188	2.438	16
17	0.864B	0.822B	0.414B	1.03 B	45.5	77.4	88.7	6.40	9.13	5.78	5.228	2.088	17
18	0.885B	0.858B	0.417B	1.43 B	47.8	67.0	84.3	6.04	8.75	5.57	4.828	2.018	18
19	0.907B	0.826B	0.374B	3.38 B	61.1	54.8	72.2	6.05	9.44	4.78	4.458	2.008	19
20	0.868B	0.888B	0.437B	12.1 B	62.1	46.3	60.3	6.17	14.1	4.81	4.408	2.088	20
21	0.862B	0.892B	0.488B	32.8 B	50.6	28.5	62.8	5.18	20.1	5.73	3.868	2.188	21
22	0.807B	0.884B	0.804B	46.6 B	60.7	31.1	60.8	4.83	25.8	5.24	3.818	1.878	22
23	0.818B	0.880B	0.400B	88.5 B	48.6	28.7	48.8	4.61	28.7	5.10	3.868	1.888	23
24	0.768B	0.884B	0.519B	188 B	46.3	25.3	46.0	3.88	30.0	5.03	3.678	1.488	24
25	0.768B	0.874B	0.551B	188 B	41.1	21.8	40.3	3.07	30.2	5.30	5.308	1.368	25
26	0.884B	0.732B	0.538B	116	36.8	18.8	36.4	3.48	25.2	5.12	5.408	1.378	26
27	0.811B	0.784B	0.868B	88.1	33.5	17.4	35.8	3.47	21.7	5.53	5.068	1.078	27
28	0.866B	0.842B	0.808B	76.7	30.8	16.8	33.8	3.05	16.7	5.14	5.038	2.188	28
29	0.720B		0.580B	80.0	25.6	13.8	29.9	2.75	16.1	4.90	5.068	1.798	29
30	0.776B		0.884B	64.3	23.8	11.8	27.5	2.38	14.3	4.65	4.638	1.668	30
31	0.838B		0.534B		21.8		26.7	2.14		4.48		1.378	31
TOTAL	26.081	18.856	17.048	644.711	1 217.1	1 228.8	1 700.8	255.55	365.36	210.15	150.70	80.56	TOTAL
MEAN	0.842	0.888	0.550	21.5	39.3	41.0	55.2	8.24	11.8	6.87	5.02	3.15	MEAN
MAX	1.03	0.918	0.831	185	62.7	81.4	102	23.6	30.0	13.3	6.63	3.77	MAX
MIN	0.810	0.831	0.374	0.836	21.8	11.8	11.0	2.14	1.18	4.48	3.87	1.37	MIN

SUMMARY FOR THE YEAR 1983

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 17.0
MAXIMUM DAILY, 188B ON APR 24
MINIMUM DAILY, 0.374B ON MAR 19
MAXIMUM INSTANTANEOUS,
177B AT 05:56 CST ON APR 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 51 20 N
LONG 102 11 30 W
DRAINAGE AREA, 11 000 km^2

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 250	JUL	148 000
FEB	1 610	AUG	22 100
MAR	1 470	SEP	30 100
APR	81 000	OCT	18 700
MAY	105 000	NOV	13 000
JUN	106 000	DEC	6 780

TOTAL DISCHARGE, 536 000 dam^3

RED DEER RIVER NEAR STEEN - STATION NO. 05LD005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.158B	0.162B	6.19	2.86	2.37	1.18	0.218	0.151	---	---	1
2	---	---	0.156B	0.164B	6.35	2.58	3.88	1.13	0.194	0.189	---	---	2
3	---	---	0.155B	0.166B	6.21	2.81	4.00	1.06	0.189	0.154	---	---	3
4	---	---	0.156B	0.166B	6.01	2.84	2.73	0.968	0.151	0.122	---	---	4
5	---	---	0.155B	0.168B	5.75	2.35	3.14	0.939	0.202	0.115	---	---	5
6	---	---	0.156B	0.162B	5.58	2.50	3.11	1.08	0.182	0.284	---	---	6
7	---	---	0.155B	0.166B	5.45	5.98	3.02	2.06	0.189	0.186	---	---	7
8	---	---	0.154B	0.166B	5.34	5.60	2.83	1.80	0.158	0.167	---	---	8
9	---	---	0.152B	0.170B	5.27	2.90	2.08	1.56	0.177	0.150	---	---	9
10	---	---	0.150B	0.172B	5.36	2.11	1.84	1.20	0.202	0.197	---	---	10
11	---	---	0.149B	0.175B	5.32	1.91	1.71	1.08	0.176	0.178	---	---	11
12	---	---	0.148B	0.180B	4.88	1.85	1.75	1.02	0.118	0.166	---	---	12
13	---	---	0.148B	0.186B	4.87	2.65	1.71	0.853	0.088	0.163	---	---	13
14	---	---	0.145B	0.183B	5.06	2.50	1.48	0.816	0.074	0.157	---	---	14
15	---	---	0.142B	0.188B	5.29	1.94	1.41	0.931	0.063	0.150	---	---	15
16	---	---	0.142B	0.203B	5.82	1.52	1.34	0.878	0.081	0.180	---	---	16
17	---	---	0.142B	0.213B	5.66	1.46	1.90	0.845	0.052	0.158	---	---	17
18	---	---	0.142B	0.226B	5.15	1.38	3.26	0.755	0.047	0.163	---	---	18
19	---	---	0.142B	0.300B	4.87	1.46	2.59	0.730	0.065	0.183	---	---	19
20	---	---	0.142B	1.35 B	4.53	1.60	1.83	0.853	0.119	0.191	---	---	20
21	---	---	0.142B	4.00 B	4.58	1.40	1.62	0.585	0.141	0.177	---	---	21
22	---	---	0.142B	8.07 B	4.40	1.20	1.56	0.531	0.146	0.186	---	---	22
23	---	---	0.142B	9.62 B	4.11	1.07	1.80	0.476	0.139	0.187	---	---	23
24	---	---	0.142B	10.5 B	3.88	0.880	1.65	0.376	0.126	0.185	---	---	24
25	---	---	0.144B	8.81 B	3.84	0.618	1.31	0.367	0.114	0.176	---	---	25
26	---	---	0.146B	8.61 B	4.01	0.386	1.36	0.362	0.128	0.189	---	---	26
27	---	---	0.146B	7.61	3.84	0.273	1.43	0.280	0.158	0.184	---	---	27
28	---	---	0.147B	7.02	3.41	0.227	1.43	0.234	0.096	0.157	---	---	28
29	---		0.148B	6.94	3.06	0.167	1.43	0.232	0.109	0.134	---	---	29
30	---		0.148B	6.33	2.78	1.58	1.40	0.226	0.140	0.102	---	---	30
31	---		0.150B		2.61		1.26	0.221		0.089A		---	31
TOTAL	---	---	4.589	82.886	149.02	56.721	65.41	25.771	4.038	5.050	---	---	TOTAL
MEAN	---	---	0.148	2.76	4.86	1.89	2.11	0.831	0.135	0.163	---	---	MEAN
MAX	---	---	0.158	10.5	6.35	5.98	4.00	2.06	0.218	0.284	---	---	MAX
MIN	---	---	0.142	0.162	2.61	0.167	1.26	0.221	0.047	0.089	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.62
MAXIMUM DAILY, 10.50 ON APR 24
MINIMUM DAILY, 0.047 ON SEP 18
MAXIMUM INSTANTANEOUS,
12.40 AT 15:40 CST ON APR 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 30 15 N
LONG 103 30 56 W
DRAINAGE AREA, 2 600 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	5 650
FEB	---	AUG	2 230
MAR	396	SEP	349
APR	7 160	OCT	436
MAY	13 000	NOV	---
JUN	5 070	DEC	---

TOTAL DISCHARGE, 34 300 dam³

REDBERRY LAKE NEAR KRYDOR - STATION NO. 05GD003

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	---	---	---	506.882	---	---	---	---	29
30	---		---	---	506.887	---	---	---	---	---	---	---	30
31	---		---		---		---	---		504.380		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 41 40 N
LONG 107 06 33 W
DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REID LAKE NEAR DUNCAIRN - STATION NO. 05HD033

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	806.141	806.062	806.402	807.249	807.707	807.553	807.208	806.882	806.393	806.140	806.005	805.937A	1
2	806.127	806.060	806.414	807.349	807.698	807.533	807.205	806.845	806.369	806.134	805.989	805.936A	2
3	806.125	806.056	806.420	807.423	807.686	807.509	807.200	806.826	806.365	806.130	806.002	805.935	3
4	806.131	806.054	806.439	807.479	807.682	807.483	807.196	806.823	806.355	806.128	806.005	805.931	4
5	806.129	806.051	806.448	807.516	807.682	807.480	807.195	806.803	806.344	806.118	805.986	805.930	5
6	806.124	806.050	806.453	807.549	807.680	807.467	807.181	806.785	806.330	806.119	805.987	805.927A	6
7	806.133	806.045	806.459	807.572	807.683	807.443	807.183	806.766	806.318	806.126	805.993	805.923A	7
8	806.131	806.044	806.463	807.586	807.682	807.438	807.182	806.746	806.300	806.125	805.985	805.920E	8
9	806.128	806.044	806.471	807.591	807.671	807.414	807.193	806.733	806.306	806.126	805.982	805.918E	9
10	806.122	806.043	806.481	807.602	807.698	807.394A	807.201	806.730	806.288	806.120	805.973	805.910A	10
11	806.118	806.039	806.507	807.607	807.700	807.388	807.235	806.711	806.276	806.112	805.976	805.914A	11
12	806.118	806.042	806.540	807.615	807.661	807.350	807.235	806.693	806.272	806.105	805.975	805.913	12
13	806.116	806.047	806.575	807.625	807.650	807.330A	807.231	806.675	806.286	806.104	805.972	805.908	13
14	806.109	806.087	806.609	807.630	807.639	807.328E	807.219	806.662	806.257	806.090	805.967	805.903E	14
15	806.105	806.150	806.631	807.638	807.627	807.317E	807.197	806.641	806.254	806.089	805.970	805.902E	15
16	806.101	806.190	806.651	807.644	807.619	807.307E	807.179	806.628	806.255	806.080	805.971	805.898E	16
17	806.096	806.230	806.670	807.652	807.626	807.298E	807.154	806.600	806.253	806.076	805.969	805.895E	17
18	806.094	806.249	806.684	807.659	807.626	807.285E	807.139	806.588	806.235	806.071	805.962	805.893A	18
19	806.090	806.263	806.696	807.671	807.635	807.272E	807.120	806.570	806.209	806.072	805.950	805.895A	19
20	806.086	806.276	806.707	807.679	807.644	807.259E	807.109	806.554	806.202	806.064	805.959	805.890	20
21	806.085	806.290	806.713	807.682	807.643	807.251E	807.098	806.520	806.199	806.061	805.955	805.888	21
22	806.083	806.302	806.720	807.686	807.650	807.243E	807.071	806.514	806.199	806.058	805.954	805.881	22
23	806.080	806.321	806.730	807.706	807.653	807.235A	807.049	806.487	806.195	806.051	805.954	805.875	23
24	806.072	806.336	806.735	807.713	807.656	807.234	807.029	806.489	806.192	806.047	805.950	805.885A	24
25	806.074	806.348	806.745	807.721	807.664	807.228	807.009	806.476	806.197	806.040	805.948	805.885E	25
26	806.076A	806.358	806.753A	807.726	807.659	807.207	806.989	806.461	806.189	806.039	805.948	805.884E	26
27	806.080	806.375	806.760	807.732	807.635	807.195	806.952	806.446	806.174	806.032	805.944	805.884E	27
28	806.076	806.386	806.764	807.728	807.624	807.188	806.936	806.435	806.160	806.018	805.944	805.884E	28
29	806.073		806.785	807.727	807.606	807.188	806.915	806.423	806.146	806.012	805.943	805.883E	29
30	806.071		806.884	807.720	807.582	807.210	806.891	806.415	806.136	806.012	805.941	805.883A	30
31	806.067		807.067		807.570		806.877	806.403		806.013		805.881	31
MEAN	806.103	806.171	806.626	807.616	807.654	807.334	807.118	806.624	806.256	806.082	805.970	805.898	MEAN
MAX	806.141	806.386	807.067	807.732	807.707	807.553	807.235	806.882	806.393	806.140	806.005	805.937	MAX
MIN	806.067	806.039	806.402	807.249	807.570	807.188	806.877	806.403	806.136	806.012	805.941	805.881	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MEAN, 806.623
MAXIMUM DAILY, 807.732 ON APR 27
MINIMUM DAILY, 805.881 ON DEC 31
MAXIMUM INSTANTANEOUS,
807.748 AT 17:45 CST ON MAY 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 04 25 N
LONG 106 02 47 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1946

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - THE MAXIMUM INSTANTANEOUS WATER LEVEL OCCURRED AS A RESULT OF WIND EFFECT

REINDEER RIVER AT OUTLET OF REINDEER LAKE - STATION NO 06DB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	442	429	419	402	160	101	0	0	284	180	347	400	1
2	440	429	417	400	161	100	0	0	284	182	344	390	2
3	440	427	417	399	161	100	0	0	284	180	347	395	3
4	439	427	417	399	161	100	0	0	286	190	347	392	4
5	439	427	417	399	161	100	0	0	289	180	349	425	5
6	439	427	417	397	161	100	0	0	331	284	349	444	6
7	439	427	417	397	160	100	0	0	335	287	351	441	7
8	439	425	414	397	160	100	0	0	336	285	349	441	8
9	439	427	413	397	160	101	0	0	340	285	349	441	9
10	439	424	412	397	160	23.0	0	0	335	288	389	441	10
11	437	424	412	397	161	24.0	0	0	335	287	397	444	11
12	437	424	412	397	161	24.0	0	0	335	288	400	442	12
13	437	424	412	395	161	3.00	0	0	334	288	402	444	13
14	437	424	412	395	161	0	0	0	334	286	397	441	14
15	437	424	409	393	161	0	0	0	330	286	395	441	15
16	437	422	412	393	161	0	0	0	330	286	400	440	16
17	436	422	409	392	161	0	0	0	330	286	405	441	17
18	436	422	407	392	161	0	0	0	330	284	400	440	18
19	436	422	408	393	161	0	0	0	330	284	399	439	19
20	436	422	407	392	162	0	0	0	330	288	397	441	20
21	436	422	407	392	162	0	0	87.0	183	374	397	441	21
22	436	420	407	342	162	0	0	117	180	372	397	441	22
23	436	419	407	188	162	0	0	117	180	372	395	442	23
24	436	419	407	161	108	0	0	118	180	374	395	440	24
25	432	419	407	161	97.0	0	0	118	181	372	395	440	25
26	432	420	407	161	97.0	0	0	118	181	349	395	441	26
27	432	420	407	161	97.0	0	0	118	181	345	398	440	27
28	432	419	403	161	99.0	0	0	284	181	345	395	440	28
29	432		402	161	99.0	0	0	284	180	348	395	441	29
30	429		404	161	99.0	0	0	285	180	347	395	441	30
31	429		404		100		0	284		346		441	31
TOTAL	13 507	11 887	12 722	9 970	4 496.0	975.00	0	1 910.0	8 320	9 316	11 460	13 473	TOTAL
MEAN	436	423	410	332	145	32.5	0	61.0	276	301	382	435	MEAN
MAX	442	429	419	402	162	101	0	285	340	374	405	444	MAX
MIN	429	419	402	161	97.0	0	0	0	180	180	344	390	MIN

SUMMARY FOR THE YEAR 1983

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 268
MAXIMUM DAILY, 444 ON DEC 6
MINIMUM DAILY, 0 ON JUN 14

TYPE OF GAUGE - MANUAL
LOCATION - LAT 55 14 00 N
LONG 102 00 30 W
DRAINAGE AREA, 60 500 km²

REGULATED SINCE 1939

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 170 000	JUL	0
FEB	1 020 000	AUG	165 000
MAR	1 100 000	SEP	720 000
APR	861 000	OCT	805 000
MAY	388 000	NOV	990 000
JUN	84 300	DEC	1 160 000

TOTAL DISCHARGE, 8 460 000 dam³

DATA CONTRIBUTED BY -
CHURCHILL RIVER POWER COMPANY

RICHARDSON DITCH NEAR CONSUL - STATION NO. 11AD068

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0	0	0	0	---	---	1
2	---	---	0	0	0	0	0	0	0	0	---	---	2
3	---	---	0	0	0	0	0	0	0	0	---	---	3
4	---	---	0	0	0	0	0	0	0	0	---	---	4
5	---	---	0	0	0.002	0	0	0	0	0	---	---	5
6	---	---	0	0	0.013	0	0	0	0	0	---	---	6
7	---	---	0	0	0.031	0	0	0	0	0	---	---	7
8	---	---	0	0	0.031	0	0	0	0	0	---	---	8
9	---	---	0	0	0.046	0	0	0	0	0	---	---	9
10	---	---	0	0	0.480	0	0	0	0	0	---	---	10
11	---	---	0	0	0.007	0	0	0	0	0	---	---	11
12	---	---	0	0	0.004	0	0	0	0	0	---	---	12
13	---	---	0	0	0.004	0	0	0	0	0	---	---	13
14	---	---	0	0	0.003	0	0	0	0	0	---	---	14
15	---	---	0	0	0.003	0	0	0	0	0	---	---	15
16	---	---	0	0	1.07	0	0	0	0	0	---	---	16
17	---	---	0	0	1.38	0	0	0	0	0	---	---	17
18	---	---	0	0	1.42	0	0	0	0	0	---	---	18
19	---	---	0	0	1.40	0	0	0	0	0	---	---	19
20	---	---	0	0	1.33	0	0	0	0	0	---	---	20
21	---	---	0	0	1.33	0	0	0	0	0	---	---	21
22	---	---	0	0	1.30	0	0	0	0	0	---	---	22
23	---	---	0	0	1.22	0	0	0	0	0	---	---	23
24	---	---	0	0	1.21	0	0	0	0	0	---	---	24
25	---	---	0	0	1.20	0	0	0	0	0	---	---	25
26	---	---	0	0	1.17	0	0	0	0	0	---	---	26
27	---	0	0	0	1.16	0	0	0	0	0	---	---	27
28	---	0	0	0	0.398	0	0	0	0	0	---	---	28
29	---		0	0	0.080	0	0	0	0	0	---	---	29
30	---		0	0	0.008	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	0	0	17.172	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0.554	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0	1.42	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.070
MAXIMUM DAILY, 1.42 ON MAY 18
MINIMUM DAILY, 0 ON MAR 1

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 21 50 N
LONG 100 32 13 W

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	1 480	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 1 480 dam³

RIDALLS TRIBUTARY BELOW GREENLEIGH RESERVOIR - STATION NO. 05NF013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	E	E 0.133	E 0.001	0	0	E	0	0	0	---	1
2	---	---	E	E 0.072	0	0	0	E	0	0	0	---	2
3	---	---	E	E 0.044	0	0	0	E	0	0	0A	---	3
4	---	---	E	E 0.031	0	0	0	E	0	0	---	---	4
5	---	---	E	E 0.033	0	0	0	E	0	0	---	---	5
6	---	---	0	E 0.017	0	0	0	0	0	0	---	---	6
7	---	---	0	E 0.013	0	0	0	0	0	0	---	---	7
8	---	---	0	E 0.008	0	0	0	0	0	0	---	---	8
9	---	---	0	E 0.008	0	0	0	0	0	0	---	---	9
10	---	---	0	E 0.007	0	0	0	0	0	0	---	---	10
11	---	---	0	E 0.008	0	0	0	0	0	0	---	---	11
12	---	---	0	E 0.008	0	0	0	0	0	0	---	---	12
13	---	---	0	E 0.008	0	0	0	0	0	0	---	---	13
14	---	---	0.005	E 0.004	0	0	0	0	0	0	---	---	14
15	---	---	0.012	E 0.004	0	0	0	0	0	0	---	---	15
16	---	0	0.010	E 0.004	0	0	0	0	0	0	---	---	16
17	---	0	0.010	E 0.003	0	0	0	0	0	0	---	---	17
18	---	0	0.012	E 0.003	0	0	0	0	0	0	---	---	18
19	---	0	0.008	E 0.003	0	0	0	0	0	0	---	---	19
20	---	0	0.008	E 0.002	0	0	0	0	0	0	---	---	20
21	---	0	0.008	E 0.002	0	0	0	0	0	0	---	---	21
22	---	0	0.007	E 0.001	0	0	0	0	0	0	---	---	22
23	---	0	0.007	E 0.001	0	0	0	0	0	0	---	---	23
24	---	0	0.007	E 0.001	0	0	0	0	0	0	---	---	24
25	---	0	0.006	E 0.001	0	0	0	0	0	0	---	---	25
26	---	0	0.008	E 0.002	0	0	0	0	0	0	---	---	26
27	---	0	0.007	E 0.001	0	0	0	0	0	0	---	---	27
28	---	0	0.031	E 0.001	0	0	0	0	0	0	---	---	28
29	---		0.196	E 0.001	0	0	0	0	0	0	---	---	29
30	---		0.311	E 0.001	0	0	0	0	0	0	---	---	30
31	---		0.218		0		0	0		0		---	31
TOTAL	---	---	0.686	E 0.397	E 0.001	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	E 0.029	E 0.013	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.311	E 0.133	E 0.001	0	0	0	0	0	---	---	MAX
MIN	---	---	0	E 0.001	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, E 0.008
MAXIMUM DAILY, 0.311 ON MAR 30
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.334 AT 10:35 CST ON MAR 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 17 51 N
LONG 100 37 13 W
DRAINAGE AREA, 36.8 km²
A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	70.6	SEP	0
APR	34.3	OCT	0
MAY	0.00	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 111 dam³

RIDGE CREEK NEAR BRIDGEPORT - STATION NO. 05JG012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0.0088	0.0738	0.5278	0.008	0.003	0.003	0.183	0	0.004	0.013	---	1
2	---	0.0088	0.0688	0.3988	0.008	0.002	0.006	0.154	0	0.004	0.014	---	2
3	---	0.0088	0.0438	0.8388	0.008	0.002	0.011	0.107	0	0.006	0.014	---	3
4	---	0.0088	0.0648	0.5498	0.008	0.002	0.016	0.089	0	0.006	0.016A	---	4
5	---	0.0088	0.0918	0.3928	0.007	0.002	0.018	0.089	0	0.006	---	---	5
6	---	0.0078	0.0858	0.2538	0.007	0.002	0.013	0.086	0	0.007	---	---	6
7	---	0.0078	0.0388	0.1938	0.004	0.002	0.009	0.040	0	0.007	---	---	7
8	---	0.0078	0.0388	0.1478	0.005	0.002	0.007	0.033	0	0.007	---	---	8
9	---	0.0078	0.0288	0.1088	0.003	0.002	0.005	0.027	0	0.007	---	---	9
10	---	0.0078	0.1368	0.087	0.132	0.001	0.250	0.030	0	0.008	---	---	10
11	---	0.0088	1.84 B	0.084	0.171	0.002	0.388	0.013	0	0.008	---	---	11
12	---	0.0088	2.17 B	0.084	0.081	0.003	0.183	0.004	0	0.008	---	---	12
13	---	0.0088	1.22 B	0.068	0.088	0.014	0.108	0.003	0	0.008	---	---	13
14	---	0.0088	0.3918	0.048	0.048	0.005	0.073	0.002	0	0.007	---	---	14
15	---	0.0088	0.2948	0.044	0.044	0.004	0.048	0.001	0.006	0.008	---	---	15
16	---	0.0108	0.4888	0.036	0.040	0.005	0.038	0.001	0.013	0.008	---	---	16
17	---	0.0108	0.2888	0.032	0.038	0.003	0.028	0.001	0.008	0.008	---	---	17
18	---	0.0118	0.1448	0.026	0.031	0.003	0.025	0.001	0.004	0.007	---	---	18
19	---	0.0108	0.1088	0.027	0.021	0.002	0.022	0.001	0.003	0.008	---	---	19
20	---	0.0088	0.0828	0.027	0.018	0.002	0.040	0.001	0.003	0.008	---	---	20
21	---	0.0118	0.0858	0.024	0.020	0.001	1.86	0	0.003	0.007	---	---	21
22	---	0.0118	0.0618	0.021	0.023	0.001	2.04	0	0.003	0.008	---	---	22
23	---	0.0128	0.0278	0.017	0.018	0.001	1.34	0	0.003	0.008	---	---	23
24	---	0.0158	0.0428	0.014	0.015	0.001	0.838	0	0.002	0.009	---	---	24
25	---	0.0458	0.0388	0.010	0.014	0.002	0.478	0	0.003	0.010	---	---	25
26	---	0.0388	0.0378	0.014	0.007	0.004	0.813	0	0.003	0.010	---	---	26
27	---	0.2278	0.0418	0.016	0.008	0.006	0.585	0	0.003	0.010	---	---	27
28	---	0.1888	0.1888	0.022	0.004	0.008	0.534	0	0.003	0.011	---	---	28
29	---		1.19 B	0.018	0.003	0.006	0.803	0	0.003	0.011	---	---	29
30	---		1.76 B	0.013	0.002	0.002	0.491	0	0.003	0.011	---	---	30
31	---		0.8878		0.002		0.281	0		0.012		---	31
TOTAL	---	1.271	11.671	3.727	0.851	0.088	11.183	0.788	0.088	0.247	---	---	TOTAL
MEAN	---	0.045	0.383	0.124	0.027	0.003	0.380	0.025	0.002	0.008	---	---	MEAN
MAX	---	0.838	2.17	0.840	0.171	0.014	2.04	0.183	0.013	0.012	---	---	MAX
MIN	---	0.008	0.028	0.010	0.002	0.001	0.003	0	0	0.004	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.118
MAXIMUM DAILY, 2.170 ON MAR 12
MINIMUM DAILY, 0 ON AUG 21
MAXIMUM INSTANTANEOUS,
3.61 AT 12:30 CST ON JUL 21

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 57 05 N
LONG 106 19 46 W
DRAINAGE AREA, 481 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	964
FEB	110	AUG	97.8
MAR	1 030	SEP	8.70
APR	322	OCT	21.3
MAY	73.5	NOV	---
JUN	8.31	DEC	---

TOTAL DISCHARGE, 2 490 dam³

ROCK CREEK BELOW HORSE CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AE003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.031	0.017	0.283	5.32	0.100	0.110	0.020	0.002	0	0.001	0.018	0.031	1
2	0.031	0.017	0.311	3.74	0.184	0.105	0.033	0.001	0	0	0.018	0.028	2
3	0.031	0.017	0.426	1.87	0.181	0.089	0.021	0.001	0	0	0.018	0.031	3
4	0.031	0.017	0.366	1.16	0.181	0.088	0.033	0	0	0	0.019	0.028	4
5	0.034	0.017	0.308	1.13	0.181	0.088	0.031	0	0	0	0.020	0.028	5
6	0.034	0.017	0.311	0.983	0.147	0.082	0.020	0	0	0	0.021	0.028	6
7	0.034	0.017	0.283	0.880	0.147	0.078	0.025	0	0	0	0.021	0.025	7
8	0.037	0.017	0.308	0.481	0.181	0.074	0.020	0	0	0	0.020	0.024	8
9	0.040	0.017	0.188	0.368	0.181	0.068	0.018	0	0.001	0	0.021	0.023	9
10	0.040	0.020	0.227	0.311	0.184	0.062	0.028	0	0	0	0.022	0.021	10
11	0.037	0.017	0.288	0.283	0.178	0.068	0.027	0	0	0	0.021	0.022	11
12	0.034	0.020	0.311	0.288	0.261	0.071	0.082	0	0	0.007	0.022	0.022	12
13	0.040	0.023	0.426	0.288	0.311	0.071	0.188	0	0	0.011	0.024	0.021	13
14	0.037	0.028	1.43	0.232	0.388	0.074	0.116	0	0	0.011	0.025	0.023	14
15	0.037	0.028	1.13	0.218	0.708	0.078	0.088	0	0	0.010	0.025	0.029	15
16	0.034	0.031	0.890	0.188	1.78	0.082	0.051	0	0	0.011	0.023	0.014	16
17	0.034	0.028	0.588	0.184	1.38	0.087	0.042	0	0	0.018	0.025	0.010	17
18	0.034	0.034	0.428	0.184	1.42	0.088	0.034	0	0	0.018	0.025	0.007	18
19	0.034	0.067	0.283	0.188	1.18	0.082	0.031	0	0	0.014	0.025	0.006	19
20	0.031	0.085	0.227	0.188	0.890	0.084	0.023	0	0	0.011	0.024	0.003	20
21	0.028	0.113	0.188	0.207	0.633	0.048	0.018	0	0	0.013	0.024	0.002	21
22	0.025	0.142	0.170	0.207	0.481	0.042	0.018	0	0	0.014	0.024	0.001	22
23	0.023	0.170	0.170	0.207	0.388	0.037	0.018	0	0	0.014	0.023	0	23
24	0.020	0.188	0.188	0.188	0.311	0.034	0.013	0	0	0.014	0.023	0	24
25	0.017	0.227	0.227	0.188	0.288	0.031	0.010	0	0	0.014	0.023	0	25
26	0.017	0.255	0.188	0.184	0.232	0.028	0.007	0	0	0.012	0.024	0	26
27	0.020	0.283	0.288	0.184	0.188	0.035	0.007	0	0	0.010	0.025	0	27
28	0.020	0.255	0.708	0.184	0.187	0.021	0.005	0	0	0.010	0.026	0	28
29	0.020		1.42	0.184	0.183	0.021	0.035	0	0.	0.012	0.031	0	29
30	0.020		3.68	0.188	0.127	0.020	0.004	0	0.001	0.014	0.031	0	30
31	0.020		5.16		0.118		0.003	0		0.018		0	31
TOTAL	0.935	2.184	21.486	18.974	13.161	1.813	0.888	0.004	0.002	0.380	0.888	0.418	TOTAL
MEAN	0.030	0.077	0.883	0.808	0.424	0.080	0.031	0	0	0.008	0.023	0.013	MEAN
MAX	0.040	0.283	5.16	5.32	1.78	0.110	0.188	0.002	0.001	0.018	0.031	0.031	MAX
MIN	0.017	0.017	0.170	0.184	0.118	0.020	0.003	0	0	0	0.018	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.180
MAXIMUM DAILY, 5.32 ON APR 1
MINIMUM DAILY, 0 ON AUG 4
MAXIMUM INSTANTANEOUS,
6.00 AT 01:30 CST ON MAR 31

DATA CONTRIBUTED BY -
UNITED STATES GEOLOGICAL SURVEY

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 58 10 N
LONG 100 49 58 W
DRAINAGE AREA, 835 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	70.8	JUL	43.8
FEB	167	AUG	0.38
MAR	1 880	SEP	0.17
APR	1 730	OCT	22.8
MAY	1 140	NOV	90.8
JUN	157	DEC	38.9

TOTAL DISCHARGE, 5 380 dam³

ROMANCE CREEK NEAR WATSON - STATION NO. 05MA016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	00	0 B	0.573	0.013	0.184	0.089	0	0	---	---	1
2	---	---	00	0 B	0.471	0.008	0.168	0.524	0	0	---	---	2
3	---	---	00	0 B	0.369	0.011	0.211	0.412	0	0	---	---	3
4	---	---	00	0 B	0.324	0.013	0.147	0.324	0	0	---	---	4
5	---	---	00	0 B	0.272	0.010	0.095	0.258	0	0	---	---	5
6	---	---	00	0 B	0.217	0.005	1.11	0.205	0	0	---	---	6
7	---	---	00	0.0058	0.168	0.003	0.821	0.164	0	0	---	---	7
8	---	---	00	0.0198	0.137	0.005	0.753	0.126	0	0	---	---	8
9	---	---	00	0.0189	0.130	0.006	0.756	0.120	0.007	0	---	---	9
10	---	---	00	0.0128	0.227	0.002	0.711	0.095	0.021	0	---	---	10
11	---	---	00	0.0058	0.144	0.001	0.584	0.081	0.008	0	---	---	11
12	---	---	00	0.0458	0.193	0.001	0.573	0.068	0.001	0	---	---	12
13	---	---	00	0.0508	0.187	0.005	0.522	0.061	0	0	---	---	13
14	---	---	00	0.0328	0.151	0.008	0.520	0.042	0	0	---	---	14
15	---	---	00	0.0838	0.116	0.009	0.486	0.031	0	0	---	---	15
16	---	---	00	0.0408	0.103	0.004	0.412	0.026	0	0	---	---	16
17	---	---	00	0.0648	0.100	0.002	0.333	0.022	0	0	---	---	17
18	---	---	00	0.2588	0.074	0.001	0.268	0.017	0	0	---	---	18
19	---	---	00	2.45 B	0.080	0.001	0.227	0.011	0	0	---	---	19
20	---	---	00	3.89 B	0.051	0	0.199	0.008	0	0	---	---	20
21	---	---	00	3.99 B	0.076	0	0.278	0.001	0	0	---	---	21
22	---	---	00	4.16	0.057	0	0.188	0	0	0	---	---	22
23	---	---	00	3.81	0.046	0	0.173	0	0	0	---	---	23
24	---	---	00	3.39	0.041	0	0.137	0	0	0	---	---	24
25	---	---	00	2.84	0.035	0	0.120	0	0	0	---	---	25
26	---	---	00	1.91	0.029	0	0.128	0	0	0	---	---	26
27	---	---	00	1.45	0.025	0	0.118	0	0	0	---	---	27
28	---	---	00	1.18	0.026	0	0.130	0	0	0	---	---	28
29	---		00	0.886	0.019	0	0.481	0	0	0	---	---	29
30	---		00	0.731	0.017	0.183	1.14	0	0	0	---	---	30
31	---		00		0.016		0.898	0		0		---	31
TOTAL	---	---	0	30.680	4.483	0.271	13.804	3.268	0.037	0	---	---	TOTAL
MEAN	---	---	0	1.03	0.144	0.009	0.438	0.105	0.001	0	---	---	MEAN
MAX	---	---	0	4.16	0.573	0.183	1.14	0.868	0.021	0	---	---	MAX
MIN	---	---	0	0	0.016	0	0.116	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.214
MAXIMUM DAILY, 4.16 ON APR 22
MINIMUM DAILY, 00 ON MAR 1
MAXIMUM INSTANTANEOUS,
5.030 AT 23:50 CST ON APR 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 59 37 N
LONG 104 33 11 W
DRAINAGE AREA, 505 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 170
FEB	---	AUG	282
MAR	0	SEP	3.20
APR	2 670	OCT	0
MAY	386	NOV	---
JUN	23.4	DEC	---

TOTAL DISCHARGE, 4 530 dam³

ROUNDBARK RESERVOIR NEAR WEYBURN - STATION NO. 05NB016

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	588.745E	588.751E	588.785E	588.818	587.141	586.988	586.870	586.710E	586.285	585.900	585.662	585.650E	1
2	---	---	588.785E	588.821	587.132	586.982	586.870	586.704E	586.229	585.889	585.660A	---	2
3	---	---	588.785E	588.826	587.118	586.965	586.867	586.698E	586.191	585.860	---	---	3
4	---	---	588.785E	588.840E	587.100	586.950	586.859	586.692E	586.156	585.902	---	---	4
5	---	---	588.787E	588.885E	587.083	586.955	586.885	586.685E	586.125	585.901	---	---	5
6	---	---	588.787E	588.921E	587.068	586.951	586.852	586.680E	586.085	585.887	---	---	6
7	---	---	588.788E	587.032E	587.062	586.947	586.850	586.674E	586.066	585.884	---	---	7
8	---	---	588.788E	587.181E	587.054	586.944	586.848	586.668E	586.036	585.880	---	---	8
9	---	---	588.788E	587.280E	587.051	586.936	586.846	586.662E	586.012	585.867	---	---	9
10	---	---	588.778E	587.388E	587.091	586.937	586.851	586.658E	585.988	585.885	---	---	10
11	---	---	588.771E	587.462E	587.088	586.927	586.848	586.650E	585.986	585.882	---	---	11
12	---	---	588.773E	587.478A	587.098	586.938	586.836	586.643E	585.945	585.878	---	---	12
13	---	---	588.773E	587.430	587.120	586.932	586.833	586.638E	585.936	585.878	---	---	13
14	---	---	588.774E	587.391	587.128	586.925	586.828	586.630E	585.918	585.874	---	---	14
15	---	---	588.775E	587.388	587.133	586.918	586.826	586.623E	585.918	585.872	---	---	15
16	---	---	588.778E	587.387	587.140	586.915	586.823	586.618E	585.917	585.877	---	---	16
17	---	---	588.777E	587.373	587.148	586.917	586.815	586.610E	585.913	585.880	---	---	17
18	---	---	588.778E	587.369	587.151	586.908	586.812	586.604E	585.910	585.880	---	---	18
19	---	---	588.778E	587.384	587.144	586.907	586.812	586.598E	585.905	585.878	---	---	19
20	---	---	588.780E	587.382	587.133	586.906	586.807	586.592E	585.901	585.878	---	---	20
21	---	---	588.781E	587.407	587.125	586.899	586.801	586.588E	585.898	585.878	---	---	21
22	---	---	588.782E	587.376	587.110	586.901	586.792	586.580E	585.897	585.877	---	---	22
23	---	---	588.783E	587.322	587.097	586.897	586.780	586.575E	585.897	585.878	---	---	23
24	---	---	588.784E	587.282	587.058	586.895	586.770	586.570E	585.896	585.878	---	---	24
25	---	---	588.785E	587.245	587.064	586.896	586.758A	586.560E	585.894	585.874	---	---	25
26	---	---	588.788E	587.207	587.077	586.886	586.780E	586.560E	585.893	585.873	---	---	26
27	---	---	588.788E	587 178	587.085	586.880	586.742E	586.480E	585.883	585.873	---	---	27
28	---	588.784A	588.790E	587.182	587.049	586.873	586.738E	586.418E	585.858	585.871	---	---	28
29	---		588.785E	587.182	587.027	586.871	586.728E	586.378E	585.883	585.869	---	---	29
30	---		588.800A	587.148	587.005	586.871	586.722E	586.338E	585.894	585.867	585.660A	---	30
31	588.751A		588.809		586.985		586.718E	586.302A		585.865		585.650E	31
MEAN	---	---	588.778	587.214	587.095	586.920	586.810	586.589	585.877	585.882	---	---	MEAN
MAX	---	---	588.809	587.478	587.151	586.988	586.870	586.710	586.285	585.902	---	---	MAX
MIN	---	---	588.785	586.818	586.985	586.871	586.718	586.302	585.883	585.865	---	---	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MAXIMUM DAILY, 587.478A ON APR 12
MINIMUM DAILY, 585.650A ON NOV 30
MAXIMUM INSTANTANEOUS,
587.488E AT 00:00 CST ON APR 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 39 05 N
LONG 103 43 07 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

ROUND LAKE NEAR WHITEWOOD - STATION NO. 05JH007

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	441.878	441.844	441.828	441.840	443.013	442.493	442.444	442.089	442.287	442.102	441.898	441.810	1
2	441.878	441.843	441.830	441.838	443.035	442.482	442.449	442.084	442.291	442.087	441.890	441.802	2
3	441.883	441.844	441.834	441.837	443.033	442.465	442.452	442.084	442.278	442.085	441.883	441.797	3
4	441.886	441.844	441.833	441.838	443.014	442.479	442.450	442.088	442.284	442.083	441.885	441.788	4
5	441.884	441.843	441.831	441.840	442.981	442.472	442.450	442.090	442.287	442.072	441.881	441.778	5
6	441.884	441.842	441.841	441.842	442.942	442.466	442.451	442.028	442.246	442.060	441.873	441.767	6
7	441.884	441.840	441.843	441.845	442.895	442.458	442.454	442.000	442.224	442.051	441.869	441.757	7
8	441.886	441.839	441.833	441.850	442.847	442.453	442.451	442.574	442.221	442.041	441.857	441.747	8
9	441.884	441.838	441.828	441.859	442.808	442.448	442.480	442.544	442.225	442.028	441.852	441.735	9
10	441.880	441.837	441.828	441.871	442.784	442.443	442.483	442.517	442.231	442.026	441.843	441.726	10
11	441.877	441.832	441.828	441.887	442.713	442.435	442.483	442.491	442.212	442.020	441.840	441.723	11
12	441.871	441.830	441.830	441.892	442.685	442.431	442.488	442.485	442.210	442.018	441.832	441.713	12
13	441.866	441.830	441.837	441.894	442.668	442.421	442.488	442.443	442.195	442.018	441.828	441.707	13
14	441.858	441.829	441.840	441.898	442.636	442.410	442.488A	442.425	442.188	442.019	441.822	441.699	14
15	441.857	441.827	441.841	441.903	442.605	442.403	442.472	442.408	442.178	442.017	441.818	441.693	15
16	441.864	441.828	441.843	441.911	442.577	442.404	442.483	442.398	442.174	442.015	441.810	441.686	16
17	441.861	441.828	441.843	441.921	442.550	442.402	442.496	442.386	442.184	442.014	441.804	441.680	17
18	441.860	441.831	441.844	441.936	442.529	442.401	442.513	442.378	442.180	441.998	441.801	441.675	18
19	441.853	441.831	441.844	441.954	442.517	442.400	442.526	442.369	442.152	441.992	441.801	441.669	19
20	441.851	441.831	441.843	442.020	442.510	442.403	442.536	442.345	442.140	441.988	441.793	441.664	20
21	441.849	441.830	441.838	442.118	442.507	442.406	442.554	442.333	442.134	441.985	441.788	441.660	21
22	441.849	441.829	441.840	442.207	442.507	442.411	442.590	442.325	442.131	441.981	441.788	441.660	22
23	441.851	441.828	441.837	442.297	442.508	442.413	442.587	442.318	442.128	441.978	441.783	441.662	23
24	441.851	441.826	441.836	442.382	442.510	442.427	442.577	442.314	442.126	441.967	441.777	441.636	24
25	441.850	441.826	441.823	442.484	442.510	442.438	442.586	442.309	442.125	441.957	441.783	441.631	25
26	441.849	441.826	441.827	442.582	442.512	442.437	442.599	442.305	442.121	441.950	441.785	441.628	26
27	441.848	441.826	441.831	442.682	442.510	442.437	442.614	442.303	442.109	441.942	441.782	441.621	27
28	441.847	441.828	441.833	442.787	442.504	442.438	442.634	442.303	442.102	441.932	441.801	441.617	28
29	441.844		441.836	442.880	442.500	442.438	442.651	442.302	442.089	441.922	441.808	441.611	29
30	441.844		441.836	442.980	442.495	442.447	442.665	442.295	442.101	441.914	441.811	441.608	30
31	441.844		441.837		442.488		442.678	442.293		441.907		441.603	31
MEAN	441.864	441.833	441.835	442.104	442.574	442.436	442.518	442.444	442.184	442.006	441.827	441.684	MEAN
MAX	441.886	441.844	441.844	442.980	443.035	442.493	442.678	442.894	442.291	442.102	441.898	441.810	MAX
MIN	441.844	441.826	441.823	441.837	442.488	442.400	442.444	442.293	442.089	441.907	441.777	441.603	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MEAN, 442.121
MAXIMUM DAILY, 443.035 ON MAY 2
MINIMUM DAILY, 441.603 ON DEC 31
MAXIMUM INSTANTANEOUS,
443.041 AT 18:12 CST ON MAY 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 32 56 N
LONG 102 21 34 W

A - MANUAL GAUGE

REGULATED SINCE 1944

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

RUSHLAKE CREEK ABOVE HIGHFIELD RESERVOIR - STATION NO. 05JC004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.5208	3.04	0.115	0.018	0	0	0	0	---	---	1
2	---	---	0.4028	1.77	0.108	0.016	0.002	0	0	0	---	---	2
3	---	---	0.3408	1.28	0.100	0.016	0.003	0	0	0	---	---	3
4	---	---	0.3058	1.00	0.095	0.014	0.003	0	0	0	---	---	4
5	---	---	0.2608	0.680	0.083	0.011	0.001	0	0	0	---	---	5
6	---	---	0.2308	0.483	0.090	0.009	0	0	0	0	---	---	6
7	---	---	0.2058	0.283	0.083	0.012	0	0	0	0	---	---	7
8	---	---	0.1858	0.210	0.085	0.012	0.001	0	0	0	---	---	8
9	---	---	0.1698	0.156	0.123	0.013	0.583	0	0	0	---	---	9
10	---	---	0.2478	0.126	1.11	0.016	0.276	0	0	0	---	---	10
11	---	---	4.28 E	0.521	1.23	0.015	0.527	0	0	0	---	---	11
12	---	---	3.02 E	0.538	0.914	0.015	0.510	0	0	0	---	---	12
13	---	---	2.34 E	0.227	0.801	0.008	0.204	0	0	0	---	---	13
14	---	---	1.80 E	0.142	0.441	0.005	0.085	0	0	0	---	---	14
15	---	---	1.26 E	0.115	0.328	0.004	0.047	0	0	0	---	---	15
16	---	0.6128	0.9068	0.100	0.278	0.003	0.028	0	0	0	---	---	16
17	---	1.31 E	0.6208	0.092	0.212	0.002	0.017	0	0	0	---	---	17
18	---	0.7158	0.4408	0.091	0.160	0.002	0.008	0	0	0	---	---	18
19	---	0.3068	0.3008	0.080	0.124	0.001	0.006	0	0	0	---	---	19
20	---	0.1328	0.2108	0.086	0.103	0	0.014	0	0	0	---	---	20
21	---	0.2808	0.1358	0.114	0.086	0	0.011	0	0	0	---	---	21
22	---	0.1758	0.0848	0.117	0.084	0.001	0.008	0	0	0	---	---	22
23	---	0.1068	0.0838	0.117	0.073	0.001	0.004	0	0	0	---	---	23
24	---	0.1028	0.1008	0.116	0.065	0.001	0.002	0	0	0	---	---	24
25	---	0.3268	0.0988	0.120	0.062	0.001	0.003	0	0	0	---	---	25
26	---	1.19 E	0.0778	0.130	0.054	0	0.003	0	0	0	---	---	26
27	---	0.5918	0.0908	0.188	0.044	0	0.001	0	0	0	---	---	27
28	---	0.6408	0.7708	0.180	0.036	0	0.001	0	0	0	---	---	28
29	---		3.75 E	0.139	0.032	0	0.001	0	0	0	---	---	29
30	---		13.2 E	0.124	0.023	0	0	0	0	0	---	---	30
31	---		10.3		0.030		0	0		0		---	31
TOTAL	---	---	47.633	12.382	5.874	0.198	2.436	0	0	0	---	---	TOTAL
MEAN	---	---	1.54	0.413	0.225	0.007	0.079	0	0	0	---	---	MEAN
MAX	---	---	13.2	3.04	1.23	0.018	0.583	0	0	0	---	---	MAX
MIN	---	---	0.077	0.088	0.030	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.284
MAXIMUM DAILY, 13.20 ON MAR 30
MINIMUM DAILY, 0 ON JUN 30
MAXIMUM INSTANTANEOUS,
18.4 AT 13:04 CST ON MAR 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 15 12 N
LONG 107 28 00 W
DRAINAGE AREA, 333 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	210
FEB	---	AUG	0
MAR	4 130	SEP	0
APR	1 070	OCT	0
MAY	503	NOV	---
JUN	17.1	DEC	---

TOTAL DISCHARGE, 0 930 dam³

RUSSELL CREEK NEAR VANGUARD - STATION NO 05JB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0188	3.17	0.105	0.024	0	0	0	0	0	---	1
2	---	---	0.0158	2.83	0.088	0.023	0	0	0	0	0	---	2
3	---	---	0.0148	0.892	0.087	0.022	0	0	0	0	0	---	3
4	---	---	0.0138	1.00	0.090	0.023	0	0	0	0	---	---	4
5	---	---	0.0128	3.12	0.091	0.021	0	0	0	0	---	---	5
6	---	---	0.0128	1.77	0.086	0.016	0	0	0	0	---	---	6
7	---	---	0.0118	1.61	0.084	0.011	0	0	0	0	---	---	7
8	---	---	0.0118	2.04	0.084	0.015	0	0	0	0	---	---	8
9	---	---	0.0108	2.08	0.086	0.015	0	0	0	0	---	---	9
10	---	---	0.0258	2.36	0.130	0.015	0	0	0	0	---	---	10
11	---	---	0.0568	1.78	0.234	0.013	0	0	0	0	---	---	11
12	---	---	0.1008	1.07	0.247	0.011	0	0	0	0	---	---	12
13	---	---	0.0878	0.833	0.244	0.006	0	0	0	0	---	---	13
14	---	---	0.0788	0.637	0.262	0.004	0	0	0	0	---	---	14
15	---	---	0.0718	0.700	0.280	0.004	0	0	0	0	---	---	15
16	---	---	0.0678	0.885	0.252	0.010	0	0	0	0	---	---	16
17	---	---	0.0628	0.888	0.230	0.038	0	0	0	0	---	---	17
18	---	---	0.0588	0.841	0.208	0.042	0	0	0	0	---	---	18
19	---	---	0.0568	0.782	0.195	0.036	0	0	0	0	---	---	19
20	---	---	0.0548	0.460	0.177	0.025	0	0	0	0	---	---	20
21	---	---	0.0518	0.300	0.140	0.018	0	0	0	0	---	---	21
22	---	---	0.0488	0.184	0.116	0.014	0	0	0	0	---	---	22
23	---	---	0.0478	0.110	0.097	0.014	0	0	0	0	---	---	23
24	---	---	0.0458	0.086	0.088	0.013	0	0	0	0	---	---	24
25	---	---	0.0448	0.092	0.073	0.007	0	0	0	0	---	---	25
26	---	---	0.0438	0.085	0.063	0.003	0	0	0	0	---	---	26
27	---	---	0.0488	0.083	0.080	0.001	0	0	0	0	---	---	27
28	---	---	0.0518	0.128	0.043	0.001	0	0	0	0	---	---	28
29	---		0.7618	0.144	0.032	0.001	0	0	0	0	---	---	29
30	---		0.6748	0.128	0.028	0.001	0	0	0	0	---	---	30
31	---		0.240		0.024		0	0		0		---	31
TOTAL	---	---	2.915	33.498	4.002	0.448	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.094	1.12	0.129	0.015	0	0	0	0	---	---	MEAN
MAX	---	---	0.761	3.83	0.262	0.042	0	0	0	0	---	---	MAX
MIN	---	---	0.010	0.085	0.024	0.001	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.157
MAXIMUM DAILY, 3.83 ON APR 2
MINIMUM DAILY, 0 ON JUL 1
MAXIMUM INSTANTANEOUS,
5.00 AT 18:40 CST ON APR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 54 18 N
LONG 107 22 18 W
DRAINAGE AREA, 313 km²

B - ICE CONDITIONS

REGULATED SINCE 1951

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	252	SEP	0
APR	2 890	OCT	0
MAY	346	NOV	---
JUN	38.7	DEC	---

TOTAL DISCHARGE, 3 530 dam³

RUSSELL CREEK RESERVOIR - STATION NO 05JB006

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	788.191	788.359	788.107	788.080	787.946A	787.803	785.240	784.284	783.708	---	1
2	---	---	788.178	788.217	788.107	788.087	787.900E	787.585	786.184	784.284	783.585	---	2
3	---	---	788.185	788.186	788.108	788.087	787.850E	787.589	786.085	784.285	783.488A	---	3
4	---	---	788.187	788.147	788.107	788.084	787.800E	787.575	786.005	784.284	---	---	4
5	---	---	788.183	788.124	788.107	788.087	787.750E	787.505	785.931	784.283	---	---	5
6	---	---	788.141	788.126	788.103	788.088	787.700E	787.439	785.848	784.281	---	---	6
7	---	---	788.128	788.120	788.106	788.081	787.650E	787.380	785.795	784.259	---	---	7
8	---	---	788.125	788.118	788.110	788.082	787.600E	787.277	785.745	784.267	---	---	8
9	---	---	788.119	788.115	788.108	788.012	787.550E	787.202	785.710	784.258	---	---	9
10	---	---	788.126	788.116	788.120	788.059	787.750E	787.129	785.667	784.258E	---	---	10
11	---	---	788.250	788.112	788.132	788.094	787.780E	787.089	785.603	784.258E	---	---	11
12	---	---	788.338	788.111	788.126	788.034	787.787A	787.083E	785.552	784.258E	---	---	12
13	---	---	788.244	788.112	788.124	788.780	787.791A	787.034E	785.492	784.258E	---	---	13
14	---	---	788.201	788.111	788.115	788.731	787.748	787.017E	785.434	784.258E	---	---	14
15	---	788.242A	788.192	788.111	788.105	788.687	787.730	787.000E	785.377	784.258E	---	---	15
16	---	788.287	788.173	788.111	788.107	788.655	787.708	787.000E	785.253E	784.258E	---	---	16
17	---	788.381	788.145	788.113	788.108	788.804	787.684	787.000E	785.128E	784.258E	---	---	17
18	---	788.470	788.126	788.115	788.108	788.538A	787.674	787.000E	785.004E	784.258E	---	---	18
19	---	788.584	788.119	788.116	788.108	788.484E	787.672	786.850E	784.880E	784.258E	---	---	19
20	---	788.676	788.113	788.115	788.108	788.450E	787.668	786.900E	784.755E	784.258E	---	---	20
21	---	788.777	788.108	788.111	788.108	788.405E	787.668	786.900E	784.631E	784.258E	---	---	21
22	---	788.859	788.105	788.111	788.103	788.361E	787.668	786.900E	784.507E	784.258E	---	---	22
23	---	788.907	788.106	788.112	788.105	788.317E	787.680	786.900E	784.382E	784.258E	---	---	23
24	---	788.948	788.106	788.114	788.105	788.273E	787.668	786.900E	784.258E	784.258E	---	---	24
25	---	788.995	788.105	788.113	788.104	788.229E	787.664	786.810E	784.258E	784.258E	---	---	25
26	---	789.089	788.104	788.108	788.103	788.185E	787.650	786.731E	784.258E	784.200E	---	---	26
27	---	789.212	788.106	788.104	788.101	788.140E	787.642	786.647E	784.258E	784.140A	---	---	27
28	---	789.213	788.114	788.107	788.100	788.088E	787.633	786.562E	784.258E	784.024	---	---	28
29	---		788.180	788.108	788.088	788.052A	787.624	786.478E	784.258A	783.911	784.038A	---	29
30	---		788.842	788.108	788.081	788.002	787.617	786.393E	784.258	783.820	---	---	30
31	---		788.782		788.081		787.609	786.309A		783.814		---	31
MEAN	---	---	788.188	788.128	788.107	788.045	787.701	787.027	785.185	784.205	---	---	MEAN
MAX	---	---	788.782	788.359	788.132	788.080	787.946	787.803	786.240	784.285	---	---	MAX
MIN	---	---	788.104	788.104	788.081	788.002	787.550	786.309	784.258	783.814	---	---	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MAXIMUM DAILY, 789.782 ON MAR 31

MAXIMUM INSTANTANEOUS,
789.842 AT 06:08 CST ON MAR 31

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 55 N
LONG 107 30 40 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

SALINE CREEK NEAR KOKOMIS - STATION NO. 05JJ009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0068	0.078	0.068	0	0.338	0	0	---	---	1
2	---	---	0 B	0.0178	0.077	0.066	0	0.318	0	0	---	---	2
3	---	---	0 B	0.0118	0.082	0.038	0	0.273	0	0	---	---	3
4	---	---	0 B	0.0088	0.081	0.024	0	0.238	0	0	---	---	4
5	---	---	0 B	0.0178	0.087	0.024	0	0.201	0	0	---	---	5
6	---	---	0 B	0.1258	0.080	0.030	0	0.170	0	0	---	---	6
7	---	---	0 B	0.2838	0.048	0.033	0	0.172	0	0	---	---	7
8	---	---	0 B	0.198	0.064	0.037	0	0.088	0	0	---	---	8
9	---	---	0 B	0.107	0.067	0.037	0.013	0.081	0	0	---	---	9
10	---	---	0 B	0.048	0.048	0.040	0.024	0.074	0.001	0	---	---	10
11	---	---	0 B	0.038	0.077	0.030	0.087	0.087	0.001	0	---	---	11
12	---	---	0 B	0.038	0.122	0.021	0.188	0.088	0	0	---	---	12
13	---	---	0 B	0.038	0.085	0.020	0.188	0.073	0	0	---	---	13
14	---	---	0 B	0.050	0.150	0.037	0.144	0.070	0	0	---	---	14
15	---	---	0 B	0.061	0.102	0.023	0.180	0.103	0	0	---	---	15
16	---	---	0 B	0.087	0.108	0.019	0.188	0.078	0	0	---	---	16
17	---	---	0 B	0.081	0.178	0.028	0.184	0.082	0	0	---	---	17
18	---	---	0 B	0.084	0.148	0.038	0.181	0.085	0	0	---	---	18
19	---	---	0 B	0.086	0.115	0.051	0.227	0.088	0	0	---	---	19
20	---	---	0 B	0.077	0.131	0.018	0.380	0.088	0	0	---	---	20
21	---	---	0 B	0.071	0.137	0.010	0.678	0.080	0	0	---	---	21
22	---	---	0 B	0.088	0.121	0.004	0.830	0.048	0	0	---	---	22
23	---	---	0 B	0.086	0.132	0.002	0.733	0.037	0	0	---	---	23
24	---	---	0 B	0.088	0.128	0.001	0.718	0.027	0	0	---	---	24
25	---	---	0 B	0.088	0.142	0	0.717	0.021	0	0	---	---	25
26	---	---	0 B	0.042	0.188	0	0.878	0.011	0	0	---	---	26
27	---	---	0 B	0.034	0.085	0	0.604	0.003	0	0	---	---	27
28	---	---	0 B	0.088	0.084	0	0.511	0.002	0	0	---	---	28
29	---		0 B	0.073	0.080	0	0.448	0.001	0	0	---	---	29
30	---		0 0.018	0.074	0.054	0	0.404	0.001	0	0	---	---	30
31	---		0.0038		0.043		0.372	0		0		---	31
TOTAL	---	---	0.884	2.031	3.184	0.893	8.800	3.001	0.002	0	---	---	TOTAL
MEAN	---	---	0	0.088	0.102	0.023	0.277	0.087	0	0	---	---	MEAN
MAX	---	---	0.003	0.282	0.188	0.068	0.830	0.338	0.001	0	---	---	MAX
MIN	---	---	0	0.008	0.043	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.071
MAXIMUM DAILY, 0.830 ON JUL 22
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.882 AT 02:55 CST ON JUL 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 24 55 N
LONG 105 05 10 W
DRAINAGE AREA, 950 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	743
FEB	---	AUG	259
MAR	0.38	SEP	0.17
APR	175	OCT	0
MAY	273	NOV	---
JUN	69.9	DEC	---

TOTAL DISCHARGE, 1 510 dam³

SANDY CREEK NEAR CARON - STATION NO. 05JE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	3.47 B	0.005	0	0	0	0	0	---	---	1
2	---	---	0 B	2.34 B	0.002	0	0	0	0	0	---	---	2
3	---	---	0 B	1.38 B	0.001	0	0	0	0	0	---	---	3
4	---	---	0 B	1.06 B	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0.871	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0.592	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0.406	0	0	0	0	0	0	---	---	7
8	---	---	0 B	0.287	0	0	0	0	0	0	---	---	8
9	---	---	0 B	0.202	0	0	0	0	0	0	---	---	9
10	---	---	0 B	0.155	0	0	0	0	0	0	---	---	10
11	---	---	0.0028	0.155	0	0	0	0	0	0	---	---	11
12	---	---	0.0238	0.141	0	0	0	0	0	0	---	---	12
13	---	---	0 4218	0.121	0.005	0	0	0	0	0	---	---	13
14	---	---	1.82 B	0.101	0.014	0	0	0	0	0	---	---	14
15	---	---	1.34 B	0.075	0.020	0	0	0	0	0	---	---	15
16	---	---	1.21 B	0.058	0.017	0	0	0	0	0	---	---	16
17	---	---	0.8218	0.048	0.010	0	0	0	0	0	---	---	17
18	---	---	0.5388	0.038	0.008	0	0	0	0	0	---	---	18
19	---	---	0.3888	0.017	0.003	0	0	0	0	0	---	---	19
20	---	---	0.1888	0.018	0.002	0	0	0	0	0	---	---	20
21	---	---	0.1088	0.014	0.001	0	0	0	0	0	---	---	21
22	---	---	0.0848	0.011	0	0	0	0	0	0	---	---	22
23	---	0	0.0388	0.008	0	0	0	0	0	0	---	---	23
24	---	0	0.0178	0.008	0	0	0	0	0	0	---	---	24
25	---	0	0.0178	0.002	0	0	0	0	0	0	---	---	25
26	---	0	0.0088	0.008	0	0	0	0	0	0	---	---	26
27	---	0	0.0028	0.013	0	0	0	0	0	0	---	---	27
28	---	0	0.0028	0.013	0	0	0	0	0	0	---	---	28
29	---		0.0188	0.010	0	0	0	0	0	0	---	---	29
30	---		0.0818	0.007	0	0	0	0	0	0	---	---	30
31	---		2.*0 B		0		0	0		0		---	31
TOTAL	---	---	9.538	11.833	0.086	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.307	0.388	0.003	0	0	0	0	0	---	---	MEAN
MAX	---	---	2.10	3.47	0.020	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0.002	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.067
MAXIMUM DAILY, 3.470 ON APR 1
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
3.040 AT 11:30 CST ON APR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 27 09 N
LONG 108 01 45 W
DRAINAGE AREA, 878 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	853	SEP	0
APR	1 010	OCT	0
MAY	7.43	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 1 840 dam³

SASKATCHEWAN RIVER BELOW TOBIN LAKE - STATION NO. 05KD003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	325	524	567	300E	618	426	311	315	280A	198A	283	240E	1
2	352	532	550	210E	647	324	315	478	233A	251A	264	185E	2
3	388	600E	630	220E	614	284	302	359A	195A	348A	240	180E	3
4	386	480E	552	290E	610	218	452	508	182A	258	280	160E	4
5	426	410E	589	340E	659	218	554	527	173	232	378	235E	5
6	393	335E	544A	375E	640	432	476	417	184	220	194	180E	6
7	424	480E	495	400E	647	431	588	287A	185	170	259	165E	7
8	384	480E	501	350E	536	431	595	318A	192	181	208	160E	8
9	397	480E	578	215E	653	434	521	317A	188	330	179	175E	9
10	446	480E	401	310E	573	403	554	289A	215	187	277	180E	10
11	520	440E	312	480E	642	251	611	341	188	344	190E	180E	11
12	541	380E	279	570E	682	232	488	268	267	363	200E	220E	12
13	585	420E	230	390E	616	354	658	201	288	445	225E	230E	13
14	526	530E	385E	434	575	355	734	173	311A	229	265E	230E	14
15	580	630E	410E	392	505	310	680	200	233	204	245E	270E	15
16	524	700E	350E	456	500	397	597	223	242A	257	300E	351	16
17	541	640E	380E	367	490	282	586	178A	265E	235	420E	321	17
18	453	500E	285E	556	475	183	691	170A	270E	171	290E	341	18
19	449	330E	260E	600	502	187	653	184A	225E	219	215E	384	19
20	478	330E	290E	600	541	380	687	177	185E	190	200E	347	20
21	450	453A	410E	613	527	383	632	170	185E	238	315E	200	21
22	450	580	400E	572	337	282	496	201	220E	259	305E	242	22
23	482	606	310E	549	308	247	536	188	205E	194	285E	445	23
24	574	603	280E	448	383	315	532	195	185E	225	270E	243	24
25	555	578	220E	535	588	190	599	174	160E	265	185E	195	25
26	602	594	245E	529	478	183	482	198A	251A	160	170E	181	26
27	576	607	275E	709	423	259	414	213	237A	224	160E	259	27
28	571	614	300E	648	287	288	329	248	178A	195	180E	356	28
29	388		260E	789	229	291	345	195A	195A	189	190E	376	29
30	386		480E	678	387	354	208	209A	184A	240	170E	298	30
31	431		515E		417		177	365A		213		188	31
TOTAL	14 574	14 306	12 323	14 309	15 071	9 302	15 851	8 237	6 485	7 392	7 302	7 637	TOTAL
MEAN	470	511	398	477	518	310	512	266	216	238	243	246	MEAN
MAX	602	700	630	648	682	436	734	527	311	445	420	445	MAX
MIN	325	330	220	210	229	183	177	158	160	181	160	160	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 387
MAXIMUM DAILY, 849 ON APR 26
MINIMUM DAILY, 160E ON SEP 25

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 42 10 N
LONG 103 17 50 W
DRAINAGE AREA, 269 000 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 280 000	JUL	1 370 000
FEB	1 240 000	AUG	712 000
MAR	1 060 000	SEP	559 000
APR	1 240 000	OCT	638 000
MAY	1 380 000	NOV	631 000
JUN	804 000	DEC	660 000

TOTAL DISCHARGE, 11 800 000 dam³

SASKATCHEWAN RIVER OLD CHANNEL - STATION NO. 05KH009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	9.038	24.58	23.4 B	22.6 B	83.0 B	9.86	3.54	0.777	8.11	0.826	0.200E	0.8488	1
2	7.518	29.08	17.6 B	5.61 B	70.3	12.2	2.50	4.08	3.87	0.222	0.400E	2.82 B	2
3	6.978	35.08	24.0 B	1.05 B	86.3 A	5.47	3.02	11.6	0.648	0.910	0.700E	1.88 B	3
4	11.5 B	43.08	27.1 B	0.7388	43.8 A	3.27	8.33	22.2	0.342	5.35	0.450E	1.57 B	4
5	12.4 B	27.58	22.5 B	1.78 B	43.5	1.39	13.2	30.6	0.195	1.74	2.20 E	2.21 B	5
6	10.7 B	17.08	26.4 B	1.55 B	46.8	3.91	23.1	25.7	0.131	0.886	5.75 E	7.03 B	6
7	18.0 B	10.08	14.3 B	1.87 B	27.5	16.9	29.4	11.7	0.073	0.780	0.500E	3.18 B	7
8	9.118	13.08	16.7 B	1.41 B	20.2	13.8	30.9	1.80	0.052	0.269	1.37 A	3.57 B	8
9	9.758	16.08	23.1 B	0.1288	32.3	19.1	43.6	3.70	0.086	0.272	0.637	2.83 B	9
10	12.0 B	24.08	32.0 B	2.10 B	39.9	11.3	32.6	3.40	0.139	0.982	0.285	3.80 B	10
11	16.2 B	20.08	8.31 B	5.00 B	33.5	8.45	24.6	0.873	0.058	1.07	2.98	2.33 B	11
12	21.8 B	16.08	3.06 B	10.0 B	38.5	1.32	9.20	2.46	0.021	2.05	0.476	3.37 B	12
13	35.4 B	13.58	2.65 B	15.9 B	40.1	3.66	33.1	0.891	0.933	4.23	0.263	7.08 B	13
14	27.5 B	17.28	1.31 B	4.73 B	35.5	8.93	62.9	0.410	2.24	7.05	1.18	7.80 B	14
15	30.6 B	48.08	13.1 B	1.85 B	38.0	7.97	62.6	0.321	2.67	0.588	3.84	9.44 B	15
16	27.9 B	61.98	11.9 B	0.2048	14.5	4.84	35.2	0.278	0.658	0.336	2.01	10.7 B	16
17	21.4 B	66.78	8.00 B	1.11 B	17.5	13.6	46.6	0.798	1.95	0.620A	5.32	19.5 B	17
18	16.2 B	62.38	6.91 B	0.2238	12.1	2.61	52.3	0.419	1.36	0.400E	6.34	15.3 B	18
19	15.8 B	79.68	3.23 B	6.29 B	13.7	0.850	48.3	0.328	1.12	0.200E	1.22	13.8 B	19
20	16.0 B	81.08	1.40 B	8.61 B	21.4	1.68	55.2	0.210	0.584	0.600E	0.780	19.6 B	20
21	17.6 B	62.98	8.36 B	10.2 B	17.7	12.0	49.2	0.218	0.228	0.300E	0.318	15.0 B	21
22	15.3 B	43.88	7.43 B	9.18 B	15.4	4.90	31.2	0.162	0.202	0.500E	0.33 B	9.10 B	22
23	13.6 B	34.48	9.74 B	8.84 B	3.02	2.79	37.5	0.140	0.842	0.850E	8.85 B	14.8 B	23
24	21.8 B	57.08	5.11 B	13.3 B	2.30	3.12	35.2	0.121	0.802	0.200E	4.41 B	23.5 B	24
25	25.5 B	58.88	1.00 B	8.32 B	11.4	6.14	35.7	0.141	0.288	0.450E	1.21 B	18.0 B	25
26	42.5 B	84.58	0.5498	32.6 B	30.7	1.01	29.0	0.104	0.174	0.850E	0.5788	8.50 B	26
27	41.0 B	88.68	1.06 B	26.0 B	13.5	0.618	11.0	0.284	0.328	0.200E	0.2218	10.0 B	27
28	40.5 B	21.28	2.74 B	71.4 B	4.86	2.02	4.98	0.110	0.871	0.400E	0.1488	13.0 B	28
29	13.3 B		4.80 B	88.4 B	0.822	2.67	2.26	0.080A	0.543	0.250E	0.1378	16.5 B	29
30	16.0 B		7.89 B	84.6 B	2.50	3.41	3.24	0.080A	0.758	0.150E	0.3878	20.5 B	30
31	20.0 B		27.5 B		9.82		1.02	0.367		0 500E		13.0 B	31
TOTAL	603.57	1 077.6	383.149	444.701	840.722	191.808	658.67	124.310	29.446	33.412	62.282	298.066	TOTAL
MEAN	19.4	38.5	11.7	14.8	27.1	6.38	27.7	4.01	0.982	1.08	2.08	9.62	MEAN
MAX	42.5	79.6	32.0	88.4	83.0	19.1	62.9	30.6	8.11	7.05	8.65	23.5	MAX
MIN	8.97	10.0	0.549	0.128	0.822	0.618	1.02	0.080	0.021	0.150	0.137	0.848	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 13.6
MAXIMUM DAILY, 88.48 ON APR 29
MINIMUM DAILY, 0.021 ON SEP 13
MAXIMUM INSTANTANEOUS,
1028 AT 03:07 CST ON APR 29

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 46 50 N
LONG 102 55 20 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	52 100	JUL	74 200
FEB	83 100	AUG	10 700
MAR	31 400	SEP	2 540
APR	36 400	OCT	2 690
MAY	72 800	NOV	5 380
JUN	16 000	DEC	25 600

TOTAL DISCHARGE, 436 000 dam³

SASKATOON S.E. PROJECT DIVERSION TO LITTLE MANITOU LAKE - STATION NO. 05JJ005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0.918E	0	0	0	0	0	0	---	---	1
2	---	---	0	1.04	0	0	0	0	0	0	---	---	2
3	---	---	0	0.948	0	0	0	0	0	0	---	---	3
4	---	---	0	0.767	0	0	0	0	0	0	---	---	4
5	---	---	0	0.705	0	0	0	0	0	0	---	---	5
6	---	---	0	0.714E	0	0	0	0	0	0	---	---	6
7	---	---	0	0.776	0	0	0	0	0	0	---	---	7
8	---	---	0	0.821	0	0	0	0	0	0	---	---	8
9	---	---	0	0.833E	0	0	0	0	0	0	---	---	9
10	---	---	0	0.845E	0	0	0	0	0	0	---	---	10
11	---	---	0	0.857	0	0	0	0	0	0	---	---	11
12	---	---	0	0.857	0	0	0	0	0	0	---	---	12
13	---	---	0	0.844E	0	0	0	0	0	0	---	---	13
14	---	---	0	0.830	0	0	0	0	0	0	---	---	14
15	---	---	0.050E	0.821	0	0	0	0	0	0	---	---	15
16	---	---	0.218	0.808E	0	0	0	0	0	0	---	---	16
17	---	---	0.598	0.791E	0	0	0	0	0	0	---	---	17
18	---	---	0.572	0.776	0	0	0	0	0	0	---	---	18
19	---	---	0.555	0.450E	0	0	0	0	0	0	---	---	19
20	---	---	0.580	0.300E	0	0	0	0	0	0	---	---	20
21	---	---	0.842	0.060E	0	0	0	0	0	0	---	---	21
22	---	---	0.595	0.020E	0	0	0	0	0	0	---	---	22
23	---	---	0.572E	0.002E	0	0	0	0	0	0	---	---	23
24	---	---	0.537	0	0	0	0	0	0	0	---	---	24
25	---	---	0.520	0	0	0	0	0	0	0	---	---	25
26	---	---	0.508E	0	0	0	0	0	0	0	---	---	26
27	---	---	0.488E	0	0	0	0	0	0	0	---	---	27
28	---	---	0.487	0	0	0	0	0	0	0	---	---	28
29	---		0.851	0	0	0	0	0	0	0	---	---	29
30	---		0.731	0	0	0	0	0	0	0	---	---	30
31	---		0.784		0		0	0		0		---	31
TOTAL	---	---	9.089	15.808	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.293	0.527	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.784	1.04	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.102
MAXIMUM DAILY, 1.04 ON APR 2
MINIMUM DAILY, 0 ON MAR 1

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 45 21 N
LONG 105 38 56 W

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	784	SEP	0
APR	1 376	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 2 160 dam³

DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

E - ESTIMATED
REGULATED

SASKATOON S.E. PROJECT EAST MAIN CANAL BELOW BLACKSTRAP RESERVOIR - STATION NO. 05HG005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	1.29	0.704	0.435	0	0	---	---	1
2	---	---	0	0	0	1.40	0.707	0.435	0	0	---	---	2
3	---	---	0	0	0	1.89	0.724	0.426	0	0	---	---	3
4	---	---	0	0	0	1.77	0.713	0.414	0	0	---	---	4
5	---	---	0	0	0	1.75	0.713	0.422	0	0	---	---	5
6	---	---	0	0	0	1.73	0.720	0.407	0	0	---	---	6
7	---	---	0	0	0	1.74	0.720	0.421	0	0	---	---	7
8	---	---	0	0	0	1.75	0.775	0.437	0	0	---	---	8
9	---	---	0	0	0	1.75	0.745	0.445	0	0	---	---	9
10	---	---	0	0	0	1.74	1.05	0.484	0	0	---	---	10
11	---	---	0	0	0	2.30	1.13	0.455	0	0	---	---	11
12	---	---	0	0	0	2.47	0.425	0.381	0	0	---	---	12
13	---	---	0	0	0	2.47	0.495	0.385	0	0	---	---	13
14	---	---	0	0	0.001	2.18	0.438	0.345	0	0	---	---	14
15	---	---	0	0	0	1.87	0.425	0.355	0	0	---	---	15
16	---	---	0	0	0.001	1.85	0.423	0.373	0	0	---	---	16
17	---	---	0	0	0.001	1.84	0.415	0.385	0	0	---	---	17
18	---	---	0	0	0	1.83	0.418	0.388	0	0	---	---	18
19	---	---	0	0	0	1.80	0.430	0.395	0	0	---	---	19
20	---	---	0	0	0	1.89	0.475	0.414	0	0	---	---	20
21	---	---	0	0	0	1.90	0.468	0.377	0	0	---	---	21
22	---	---	0	0	0	1.81	0.412	0.263	0	0	---	---	22
23	---	---	0	0	0	1.84	0.440	0.011	0	0	---	---	23
24	---	---	0	0	0.504	1.87	0.457	0	0	0	---	---	24
25	---	---	0	0	1.48	1.87	0.462	0	0	0	---	---	25
26	---	---	0	0	1.41	1.56	0.445	0	0	0	---	---	26
27	---	---	0	0	1.27	1.11	0.447	0	0	0	---	---	27
28	---	---	0	0	1.28	0.748	0.456	0	0	0	---	---	28
29	---		0	0	1.30	0.788	0.482	0	0	0	---	---	29
30	---		0	0	1.30	0.734	0.435	0	0	0	---	---	30
31	---		0		1.29		0.439	0		0		---	31
TOTAL	---	---	0	0	8.847	48.879	17.545	5.812	0	0	---	---	TOTAL
MEAN	---	---	0	0	0.318	1.63	0.566	0.284	0	0	---	---	MEAN
MAX	---	---	0	0	1.48	2.47	1.13	0.484	0	0	---	---	MAX
MIN	---	---	0	0	0	0.734	0.412	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.347
MAXIMUM DAILY, 2.47 ON JUN 12
MINIMUM DAILY, 0 ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 51 17 N
LONG 105 21 18 W

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 530
FEB	---	AUG	781
MAR	0	SEP	0
APR	0	OCT	0
MAY	851	NOV	---
JUN	4 220	DEC	---

TOTAL DISCHARGE, 7 380 dam³

REGULATED SINCE 1967

SASKATOON S.E. PROJECT EAST MAIN CANAL BELOW BRIGHTWATER RESERVOIR - STATION NO. 05HG004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	1.49	1.46	1.11	0	0.532	---	---	1
2	---	---	0	0	0	1.49	1.42	1.67	0	0.536	---	---	2
3	---	---	0	0	0	1.50	1.38	2.75	0	0.532	---	---	3
4	---	---	0	0	0	1.51	1.37	2.80	0	0.558	---	---	4
5	---	---	0	0	0	1.52	1.45	2.85	0	0.559	---	---	5
6	---	---	0	0	0	1.52	1.70	2.74	0	0.554	---	---	6
7	---	---	0	0	0	1.52	2.11	2.80	0	0.220	---	---	7
8	---	---	0	0	0	1.51	2.26	2.08	0	0	---	---	8
9	---	---	0	0	0	1.33	2.15	0.854	0	0	---	---	9
10	---	---	0	0	0	1.12	2.25	0.840	0	0	---	---	10
11	---	---	0	0	0	0.898	4.71	0.803	0	0	---	---	11
12	---	---	0	0	0	0.912	4.07	0.580	0	0	---	---	12
13	---	---	0	0	0	0.893	4.18	0.606	0	0	---	---	13
14	---	---	0	0	0	0.867	4.40	0.581	0.780	0	---	---	14
15	---	---	0	0	0	0.866	4.25	0.597	1.08	0	---	---	15
16	---	---	0	0	0.0289	0.886	3.85	0.803	0.646	0	---	---	16
17	---	---	0	0	0.2808	0.877	3.78	0.566	0.530	0	---	---	17
18	---	---	0	0	0.8419	0.868	3.00	0.578	0.517	0	---	---	18
19	---	---	0	0	1.16	0.890	1.68	0.598	0.516	0	---	---	19
20	---	---	0	0	1.48	0.892	1.79	0.571	0.522	0	---	---	20
21	---	---	0	0	1.48	0.898	1.77	0.581	0.527	0	---	---	21
22	---	---	0	0	1.47	0.905	1.83	0.597	0.525	0	---	---	22
23	---	---	0	0	1.47	0.907	1.87	1.13	0.523	0	---	---	23
24	---	---	0	0	1.47	0.911	1.95	1.48	0.520	0	---	---	24
25	---	---	0	0	1.46	0.924	1.92	1.45	0.517	0	---	---	25
26	---	---	0	0	1.47	0.929	1.77	1.44	0.521	0	---	---	26
27	---	---	0	0	1.47	0.939	1.82	1.43	0.514	0	---	---	27
28	---	---	0	0	1.47	0.938	1.87	0.885	0.512	0	---	---	28
29	---		0	0	1.47	1.30	1.44	0	0.515	0	---	---	29
30	---		0	0	1.47	1.62	1.10	0	0.520	0	---	---	30
31	---		0		1.47		1.11	0		0		---	31
TOTAL	---	---	0	0	19.989	33.631	72.82	35.131	9.736	3.491	---	---	TOTAL
MEAN	---	---	0	0	0.644	1.12	2.35	1.13	0.325	0.113	---	---	MEAN
MAX	---	---	0	0	1.48	1.62	4.71	2.85	1.08	0.559	---	---	MAX
MIN	---	---	0	0	0	0.866	1.10	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.714
MAXIMUM DAILY, 4.71 ON JUL 11
MINIMUM DAILY, 0 ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 37 13 N
LONG 106 32 39 W

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	5 300
FEB	---	AUG	3 040
MAR	0	SEP	841
APR	0	OCT	302
MAY	1 730	NOV	---
JUN	2 910	DEC	---

TOTAL DISCHARGE, 15 100 dam³

SASKATOON S.E. PROJECT EAST MAIN CANAL BELOW BRODERICK RESERVOIR - STATION NO. 05HG019

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	4.21E	1.62	2.52	1.43	0.873	0.008	---	---	1
2	---	---	0	0	4.20E	1.63	2.48	1.39	0.847	0	---	---	2
3	---	---	0	0	4.20A	1.63	2.50	1.27	0.887	0	---	---	3
4	---	---	0	0	4.22	1.62	2.50	1.35	0.787	0.101	---	---	4
5	---	---	0	0	4.20	1.62	2.59	1.30	0.709	0.091	---	---	5
6	---	---	0	0	4.22	1.61	2.61	1.31	0.675	0.023	---	---	6
7	---	---	0	0	4.27	1.61	2.59	1.30	0.660	0.003	---	---	7
8	---	---	0	0	4.33	1.62	2.61	1.26	0.667	0	---	---	8
9	---	---	0	0	4.35B	1.95	2.89	1.25	0.688	0	---	---	9
10	---	---	0	0	3.52B	2.16	2.28	1.20	0.684	0	---	---	10
11	---	---	0	0	2.81	2.25	0.670	1.18	0.673	0	---	---	11
12	---	---	0	0	2.99	2.30	0.603	1.31	0.687	0	---	---	12
13	---	---	0	0	2.67	2.28	0.644	1.47	0 667	0	---	---	13
14	---	---	0	0	2.09	2.54	0.634	1.50	0.677	0	---	---	14
15	---	---	0	0	2.10	2.79	0.618	1 40	0.660	0	---	---	15
16	---	---	0	0	1.89	2.82	0.800	1.13	0.658	0	---	---	16
17	---	---	0	0	1.41	2.78	0.788	0.488	0.645	0	---	---	17
18	---	---	0	0	1.43	2.75	1.24	0.475	0.632	0	---	---	18
19	---	---	0	0 001A	1.44	2.68	2.03	0.532	0.642	0	---	---	19
20	---	---	0	0	1.45	2.66	2.18	0.680	0.642	0	---	---	20
21	---	---	0	0	1.45	2.61	1.43	0.668	0.650	0	---	---	21
22	---	---	0	0	1.47	2.59	0.831	0.673	0.663	0	---	---	22
23	---	---	0	0	1.48	2.80	0.595	0.684	0.678	0	---	---	23
24	---	---	0	0	1.48	2.84	0.736	0.686	0.681	0	---	---	24
25	---	---	0	1.83 E	1.49	2.89	0.788	0.682	0.708	0	---	---	25
26	---	---	0	3.66 E	1.50	2.71	0.977	0.686	0.735	0	---	---	26
27	---	---	0	4.25 E	1.52	2.88	0.802	0.693	0.738	0	---	---	27
28	---	---	0	4.34 E	1.48	2.84	0.781	0.695	0.748	0	---	---	28
29	---		0	4.32 E	1.48	2.83	0.788	0.687	0.758	0	---	---	29
30	---		0	4.22 E	1.50	2.80	0.805	0.675	0.348	0	---	---	30
31	---		0		1.61		1.15	0.680		0		---	31
TOTAL	---	---	0	22.131	78.47	89.36	48.009	30.635	20.178	0.227	---	---	TOTAL
MEAN	---	---	0	0.738	2.53	2.31	1.48	0.988	0.673	0.007	---	---	MEAN
MAX	---	---	0	4.35	4.35	2.82	2.89	1.50	0.787	0.101	---	---	MAX
MIN	---	---	0	0	1.41	1.61	0.595	0.675	0.348	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.08
MAXIMUM DAILY, 4.359 ON MAY 9
MINIMUM DAILY, 0 ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 29 01 N
LONG 106 50 53 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 980
FEB	---	AUG	2 650
MAR	0	SEP	1 740
APR	1 910	OCT	19.6
MAY	6 730	NOV	---
JUN	6 990	DEC	---

TOTAL DISCHARGE, 23 100 dam³

SASKATOON S.S. PROJECT EAST MAIN CANAL BELOW ZELMA RESERVOIR - STATION NO. [illegible]

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.838B	0.002	0	0	0.001	0	0	---	---	1
2	---	---	0 B	0.820B	0.002	0.001	0	0.001	0	0	---	---	2
3	---	---	0 B	0.810B	0.002	0.001	0.001	0.001	0	0	---	---	3
4	---	---	0 B	0.788	0.002	0	0.001	0.001	0	0	---	---	4
5	---	---	0 B	0.811	0.002	0	0.001	0.001	0	0	---	---	5
6	---	---	0 B	0.850	0.002	0	0	0	0	0	---	---	6
7	---	---	0 B	0.871	0.002	0	0	0	0	0	---	---	7
8	---	---	0 B	1.07	0.002	0	0	0	0	0	---	---	8
9	---	---	0 B	1.12	0.002	0	0.011	0	0	0	---	---	9
10	---	---	0 B	1.08	0.002	0	0.002	0	0.001	0	---	---	10
11	---	---	0 B	1.06 A	0.002	0	0.002	0	0	0	---	---	11
12	---	---	0 B	1.09 A	0.002	0.001	0.002	0	0	0	---	---	12
13	---	---	0 B	1.13	0.003	0.001	0.002	0	0	0	---	---	13
14	---	---	0.180B	1.13	0.003E	0.001	0.002	0	0	0	---	---	14
15	---	---	0.700B	1.10	0.003E	0.001	0.002	0	0	0	---	---	15
16	---	---	0.815B	1.03	0.003E	0.001	0.002	0	0	0	---	---	16
17	---	---	0.800B	0.980	0.002E	0.001	0.001	0	0	0	---	---	17
18	---	---	0.800B	0.569	0.002A	0	0.001	0	0.001	0	---	---	18
19	---	---	0.748B	0.002	0.002	0	0.001	0	0	0	---	---	19
20	---	---	0.724B	0.001	0.002	0	0.001	0	0	0	---	---	20
21	---	---	0.715B	0.001	0.002	0	0.103	0	0	0	---	---	21
22	---	---	0.730B	0.001	0.001	0	0.002	0	0	0	---	---	22
23	---	---	0.745B	0.001	0.001	0	0.002	0	0	0	---	---	23
24	---	---	0.760B	0.001	0.001	0	0.001	0	0	0	---	---	24
25	---	---	0.775B	0.001	0.001	0	0.001	0	0	0	---	---	25
26	---	---	0.780B	0.002	0.001	0	0.001	0	0	0	---	---	26
27	---	---	0.805B	0.001	0.001	0	0.001	0	0	0	---	---	27
28	---	---	0.820B	0.002	0	0	0.001	0	0	0	---	---	28
29	---		0.835B	0.002	0	0	0.001	0	0	0	---	---	29
30	---		0.843B	0.002	0	0	0.001	0	0	0	---	---	30
31	---		0.848B		0		0.001	0		0.001A		---	31
TOTAL	---	---	13.408	17.255	0.052	0.005	0.140	0.005	0.002	0.001	---	---	TOTAL
MEAN	---	---	0.434	0.575	0.002	0	0.005	0	0	0	---	---	MEAN
MAX	---	---	0.848	1.13	0.003	0.001	0.103	0.001	0.001	0.001	---	---	MAX
MIN	---	---	0	0.001	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.126
MAXIMUM DAILY, 1.13 ON APR 13
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 48 22 N
LONG 106 46 22 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	12.0
FEB	---	AUG	0.43
MAR	1 160	SEP	0.17
APR	1 490	OCT	0.09
MAY	4.49	NOV	---
JUN	0.43	DEC	---

TOTAL DISCHARGE, 2 670 dam³

SASKATOON S.S. PROJECT MAIN CANAL ABOVE BLACKSTRAP RESERVOIR - STATION NO. [illegible]

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	1.83	1.50E	1.00 E	0.000E	0.482E	---	---	1
2	---	---	0	0	0	1.82	1.45E	1.01	0	0.483E	---	---	2
3	---	---	0	0	0	1.56	1.40E	1.46	0	0.480E	---	---	3
4	---	---	0	0	0	1.56 E	1.40E	2.86	0	0.487E	---	---	4
5	---	---	0	0	0	1.56 E	1.84	2.57	0	0.400E	---	---	5
6	---	---	0	0	0	1.58	1.84	2.90 E	0	0.480E	---	---	6
7	---	---	0	0	0	1.56	1.84	2.63 E	0	0.480E	---	---	7
8	---	---	0	0	0	1.57	2.35	2.08	0	0.180E	---	---	8
9	---	---	0	0	0	1.38	2.10E	1.10	0	0.040E	---	---	9
10	---	---	0	0	0	1.15	3.20E	0.480	0	0.000E	---	---	10
11	---	---	0	0	0	1.05 E	4.84	0.480	0	0	---	---	11
12	---	---	0	0	0	0.900E	3.50	0.836	0	0	---	---	12
13	---	---	0	0	0	0.850	3.50	0.500E	0	0	---	---	13
14	---	---	0	0	0	0.826	3.50	0.520E	0	0	---	---	14
15	---	---	0	0	0	0.850	3.32	0.881	1.30 E	0	---	---	15
16	---	---	0	0	0	0.850	3.38E	0.847	0.001	0	---	---	16
17	---	---	0	0	0.007	0.830E	3.38E	0.861	0.700E	0	---	---	17
18	---	---	0	0	0.230	0.810E	3.34	0.861	0.000E	0	---	---	18
19	---	---	0	0	0.320	0.780E	2.50E	0.904	0.802	0	---	---	19
20	---	---	0	0	0.780	0.760E	2.00E	0.520E	0.502	0	---	---	20
21	---	---	0	0	1.10	0.730E	1.80E	0.900E	0.802	0	---	---	21
22	---	---	0	0	1.80 E	0.710	1.80E	0.800E	0.802	0	---	---	22
23	---	---	0	0	1.83 E	0.710	1.85E	0.717	0.384	0	---	---	23
24	---	---	0	0	1.88	0.710	1.85E	1.14	0.802	0	---	---	24
25	---	---	0	0	1.88	0.710E	1.90E	1.14	0.500E	0	---	---	25
26	---	---	0	0	1.88	0.710E	1.85E	1.10 E	0.384	0	---	---	26
27	---	---	0	0	1.84 E	0.710	1.85E	1.08 E	0.400	0	---	---	27
28	---	---	0	0	1.84 E	0.710	1.83	1.00 E	0.810	0	---	---	28
29	---		0	0	1.84 E	0.710	1.87	0.815	0.540E	0	---	---	29
30	---		0	0	1.84	0.680	1.30E	0.200E	0.476	0	---	---	30
31	---		0		1.84		1.00E	0.100E		0		---	31
TOTAL	---	---	0	0	17.802	30.785	60.84	33.008	9.150	3.630	---	---	TOTAL
MEAN	---	---	0	0	0.576	1.03	1.96	1.05	0.305	0.117	---	---	MEAN
MAX	---	---	0	0	1.88	1.83	4.84	2.90	1.30	0.487	---	---	MAX
MIN	---	---	0	0	0	0.710	1.00	0.100	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.631
MAXIMUM DAILY, 4.84 ON JUL 11
MINIMUM DAILY, 0 ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 00 50 N
LONG 106 25 35 W

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	5 260
FEB	---	AUG	2 850
MAR	0	SEP	791
APR	0	OCT	314
MAY	1 540	NOV	---
JUN	2 660	DEC	---

DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

E - ESTIMATED
REGULATED

TOTAL DISCHARGE, 13 400 dam³

SASKATOON S.E. PROJECT MAIN CANAL ABOVE BRIGHTWATER RESERVOIR - STATION NO. 05HG007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	4.10E	1.34	2.04 E	0.706E	0.544	0.300E	---	---	1
2	---	---	0	0	4.08	1.34	2.13 E	0.604	0.544	0.150E	---	---	2
3	---	---	0	0	4.03	1.34	2.21 E	0.755	0.544E	0.120E	---	---	3
4	---	---	0	0	4.03	1.33E	2.27 E	0.760	0.544E	0.100E	---	---	4
5	---	---	0	0	4.03	1.33E	2.36	0.483	0.544E	0.080E	---	---	5
6	---	---	0	0	4.03	1.33	2.42	0.549E	0.544	0.080E	---	---	6
7	---	---	0	0	4.03	1.20	2.34	0.608E	0.544	0.015E	---	---	7
8	---	---	0	0	3.94E	1.30	2.07	0.668	0.525	0.010E	---	---	8
9	---	---	0	0	4.03	1.24	2.86	0.652	0.550	0.005E	---	---	9
10	---	---	0	0	3.40E	1.88	2.83	0.848	0.578	0.001E	---	---	10
11	---	---	0	0	2.78	1.88E	0.848	0.488	0.573	0	---	---	11
12	---	---	0	0	2.46	1.88E	0.512	0.660	0.570	0	---	---	12
13	---	---	0	0	2.75	1.88	0.448	0.787E	0.570	0	---	---	13
14	---	---	0	0	2.46E	1.85	0.606	0.683E	0.571E	0	---	---	14
15	---	---	0	0	2.19E	1.93	0.606	1.00	0.573	0	---	---	15
16	---	---	0	0	1.83	1.88	0.606E	0.560	0.578	0	---	---	16
17	---	---	0	0	1.34	1.88	0.604E	0.544	0.573E	0	---	---	17
18	---	---	0	0	1.36	1.87E	0.602	0.382	0.566E	0	---	---	18
19	---	---	0	0	1.34	1.88E	1.27	0.384	0.580	0	---	---	19
20	---	---	0	0	1.34	1.90	1.14	0.401E	0.580	0	---	---	20
21	---	---	0	0	1.34E	1.70	1.71	0.417E	0.580	0	---	---	21
22	---	---	0	0	1.30E	1.83	0.627	0.434E	0.584	0	---	---	22
23	---	---	0	0	1.34E	1.83	0.642E	0.451E	0.584	0	---	---	23
24	---	---	0	0	1.34	1.82	0.657E	0.467	0.522	0	---	---	24
25	---	---	0	0.660E	1.34	1.84E	0.672	0.474	0.523E	0	---	---	25
26	---	---	0	2.71	1.29	1.85E	0.672	0.474	0.522	0	---	---	26
27	---	---	0	4.20 E	1.30	1.80	0.627	0.468E	0.522	0	---	---	27
28	---	---	0	4.23	1.31E	1.82	0.576	0.468E	0.578	0	---	---	28
29	---		0	4.23	1.33E	1.86	0.413	0.507E	0.578	0	---	---	29
30	---		0	4.20 E	1.34	1.82	0.511E	0.516	0.578	0	---	---	30
31	---		0		1.34		0.608E	0.544		0		---	31
TOTAL	---	---	0	20.260	74.29	50.29	38.105	16.384	16.660	0.881	---	---	TOTAL
MEAN	---	---	0	0.675	2.40	1.68	1.23	0.592	0.555	0.028	---	---	MEAN
MAX	---	---	0	4.23	4.10	1.93	2.86	1.00	0.578	0.300	---	---	MAX
MIN	---	---	0	0	1.29	1.20	0.413	0.352	0.522	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.683
MAXIMUM DAILY, 4.23 ON APR 28
MINIMUM DAILY, 0 ON MAR 1

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 25 15 N
LONG 106 30 30 W

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	3 290
FEB	---	AUG	1 580
MAR	0	SEP	1 440
APR	1 750	OCT	76.1
MAY	6 420	NOV	---
JUN	4 350	DEC	---

TOTAL DISCHARGE, 18 900 dam³

DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

E - ESTIMATED
REGULATED

SASKATOON S.E. PROJECT MAIN CANAL ABOVE ZELMA RESERVOIR - STATION NO. 05HG011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	1.24	0.207E	0.113E	0	0	---	---	1
2	---	---	0	0	0	1.33 E	0.220E	0.100	0	0	---	---	2
3	---	---	0	0	0	1.39	0.253E	0.081	0	0	---	---	3
4	---	---	0	0	0	1.50 E	0.270E	0.079E	0	0	---	---	4
5	---	---	0	0	0	1.60 E	0.280	0.077	0	0	---	---	5
6	---	---	0	0	0	1.70	0.317	0.078E	0	0	---	---	6
7	---	---	0	0	0	1.67	0.302	0.074E	0	0	---	---	7
8	---	---	0	0	0	1.65	0.327	0.072	0	0	---	---	8
9	---	---	0	0	0	1.61 E	0.357E	0.071E	0	0	---	---	9
10	---	---	0	0	0	1.57	0.386E	0.070E	0	0	---	---	10
11	---	---	0	0	0	1.78 E	0.416	0.080E	0	0	---	---	11
12	---	---	0	0	0	1.89 E	0.665	0.089	0	0	---	---	12
13	---	---	0	0	0	2.21	0.148	0.122	0	0	---	---	13
14	---	---	0	0	0	2.14	0.167E	0.127E	0	0	---	---	14
15	---	---	0	0	0	1.84	0.187	0.133	0	0	---	---	15
16	---	---	0	0	0	1.45	0.178E	0.114E	0	0	---	---	16
17	---	---	0	0	0	1.33	0.169E	0.088E	0	0	---	---	17
18	---	---	0	0	0	1.33 E	0.160	0.077	0	0	---	---	18
19	---	---	0	0	0	1.30 E	0.077	0.054	0	0	---	---	19
20	---	---	0	0	0	1.28	0.134E	0.081E	0	0	---	---	20
21	---	---	0	0	0	1.30	0.180	0.080E	0	0	---	---	21
22	---	---	0	0	0	1.33	0.171E	0.076	0	0	---	---	22
23	---	---	0	0	0	1.19	0.153E	0.031	0	0	---	---	23
24	---	---	0	0	0	1.24	0.133E	0.016E	0	0	---	---	24
25	---	---	0	0	1.00 E	1.04 E	0.113	0.008E	0	0	---	---	25
26	---	---	0	0	1.20 E	0.849E	0.180	0.004E	0	0	---	---	26
27	---	---	0	0	1.36	0.667E	0.131	0.003E	0	0	---	---	27
28	---	---	0	0	1.26 E	0.640	0.127E	0.001E	0	0	---	---	28
29	---		0	0	1.22 E	0.266	0.124E	0	0	0	---	---	29
30	---		0	0	1.15	0.184	0.120E		0	0	---	---	30
31	---		0		1.24		0.116E	0		0		---	31
TOTAL	---	---	0	0	8.44	40.273	6.848	1.947	0	0	---	---	TOTAL
MEAN	---	---	0	0	0.272	1.36	0.221	0.063	0	0	---	---	MEAN
MAX	---	---	0	0	1.36	2.21	0.665	0.133	0	0	---	---	MAX
MIN	---	---	0	0	0	0.184	0.077	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.235
MAXIMUM DAILY, 2.21 ON JUN 13
MINIMUM DAILY, 0 ON MAR 1

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 50 24 N
LONG 106 51 22 W

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	591
FEB	---	AUG	168
MAR	0	SEP	0
APR	0	OCT	0
MAY	729	NOV	---
JUN	3 480	DEC	---

TOTAL DISCHARGE, 4 980 dam³

DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

E - ESTIMATED
REGULATED

SASKATOON S.E. PROJECT MAIN CANAL AT INLET TO DUCK LAKE RESERVOIR - STATION NO. 05JJ007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0	0	0	0	---	---	1
2	---	---	0	0	0	0	0	0	0	0	---	---	2
3	---	---	0	0	0	0	0	0	0	0	---	---	3
4	---	---	0	0	0	0	0	0	0	0	---	---	4
5	---	---	0	0	0	0	0	0	0	0	---	---	5
6	---	---	0	0	0	0	0	0	0	0	---	---	6
7	---	---	0	0	0	0	0	0	0	0	---	---	7
8	---	---	0	0	0	0	0	0	0	0	---	---	8
9	---	---	0	0	0	0	0	0	0	0	---	---	9
10	---	---	0	0	0	0	0	0	0	0	---	---	10
11	---	---	0	0	0	0	0	0	0	0	---	---	11
12	---	---	0	0	0	0	0	0	0	0	---	---	12
13	---	---	0	0	0	0	0	0	0	0	---	---	13
14	---	---	0	0	0	0	0	0	0	0	---	---	14
15	---	---	0	0	0	0	0	0	0	0	---	---	15
16	---	---	0	0	0	0	0	0	0	0	---	---	16
17	---	---	0	0	0	0	0	0	0	0	---	---	17
18	---	---	0	0	0	0	0	0	0	0	---	---	18
19	---	---	0	0	0	0	0	0	0	0	---	---	19
20	---	---	0	0	0	0	0	0	0	0	---	---	20
21	---	---	0	0	0	0	0	0	0	0	---	---	21
22	---	---	0	0	0	0	0	0	0	0	---	---	22
23	---	---	0	0	0	0	0	0	0	0	---	---	23
24	---	---	0	0	0	0	0	0	0	0	---	---	24
25	---	---	0	0	0	0	0	0	0	0	---	---	25
26	---	---	0	0	0	0	0	0	0	0	---	---	26
27	---	---	0	0	0	0	0	0	0	0	---	---	27
28	---	---	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	0	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0 ON MAR 1
MINIMUM DAILY, 0 ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 43 10 N
LONG 105 00 30 W

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

REGULATED

TOTAL DISCHARGE, 0 dam³

SASKATOON S.E. PROJECT MAIN CANAL AT OUTLET OF MARITOU PUMPING STATION - STATION NO. 05JJ005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0	0	0	0	---	---	1
2	---	---	0	0	0	0	0	0	0	0	---	---	2
3	---	---	0	0	0	0	0	0	0	0	---	---	3
4	---	---	0	0	0	0	0	0	0	0	---	---	4
5	---	---	0	0	0	0	0	0	0	0	---	---	5
6	---	---	0	0	0	0	0	0	0	0	---	---	6
7	---	---	0	0	0	0	0	0	0	0	---	---	7
8	---	---	0	0	0	0	0	0	0	0	---	---	8
9	---	---	0	0	0	0	0	0	0	0	---	---	9
10	---	---	0	0	0	0	0	0	0	0	---	---	10
11	---	---	0	0	0	0	0	0	0	0	---	---	11
12	---	---	0	0	0	0	0	0	0	0	---	---	12
13	---	---	0	0	0	0	0	0	0	0	---	---	13
14	---	---	0	0	0	0	0	0	0	0	---	---	14
15	---	---	0	0	0	0	0	0	0	0	---	---	15
16	---	---	0	0	0	0	0	0	0	0	---	---	16
17	---	---	0	0	0	0	0	0	0	0	---	---	17
18	---	---	0	0	0	0	0	0	0	0	---	---	18
19	---	---	0	0	0	0	0	0	0	0	---	---	19
20	---	---	0	0	0	0	0	0	0	0	---	---	20
21	---	---	0	0	0	0	0	0	0	0	---	---	21
22	---	---	0	0	0	0	0	0	0	0	---	---	22
23	---	---	0	0	0	0	0	0	0	0	---	---	23
24	---	---	0	0	0	0	0	0	0	0	---	---	24
25	---	---	0	0	0	0	0	0	0	0	---	---	25
26	---	---	0	0	0	0	0	0	0	0	---	---	26
27	---	---	0	0	0	0	0	0	0	0	---	---	27
28	---	---	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	0	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0 ON MAR 1
MINIMUM DAILY, 0 ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 43 21 N
LONG 106 30 56 W

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

REGULATED

TOTAL DISCHARGE, 0 dam³

SHARD CREEK NEAR GILLABOUGH - STATION NO. 05LG005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	2.30	0.016	0.280	0.404	0	0	0A	---	1
2	---	---	0B	0 B	1.75	0.090	0.253	0.462	0	0	---	---	2
3	---	---	0B	0 B	1.20	0.087	2.31	0.630	0	0	---	---	3
4	---	---	0B	0 B	0.803	0.050	4.18	0.611	0	0	---	---	4
5	---	---	0B	0 B	0.500	0.387	8.14	0.287	0	0	---	---	5
6	---	---	0B	0 B	0.414	0.402	7.11	0.242	0	0	---	---	6
7	---	---	0B	0 B	0.280	0.430	4.40	0.195	0	0	---	---	7
8	---	---	0B	0 B	0.192	0.500	2.85	0.212	0	0	---	---	8
9	---	---	0B	0 B	0.161	0.382	1.90	0.204	0	0	---	---	9
10	---	---	0B	0 B	0.153	0.280	1.57	0.184	0	0	---	---	10
11	---	---	0B	0 B	0.170	0.277	1.65	0.161	0	0	---	---	11
12	---	---	0B	0 B	0.274	2.19	2.85	0.139	0	0	---	---	12
13	---	---	0B	0 B	0.573	5.38	4.04	0.127	0	0	---	---	13
14	---	---	0B	0 B	1.28	5.07	3.51	0.113	0	0	---	---	14
15	---	---	0B	0 B	1.11	4.23	2.60	0.077	0	0	---	---	15
16	---	---	0B	0 B	0.808	3.40	3.75	0.008	0	0	---	---	16
17	---	---	0B	0 B	0.635	2.71	4.54	0.025	0	0	---	---	17
18	---	---	0B	0 B	0.507	1.69	3.58	0.006	0	0	---	---	18
19	---	---	0B	0 B	0.446	1.13	2.28	0	0	0	---	---	19
20	---	---	0B	0 B	0.306	0.051	1.38	0	0	0	---	---	20
21	---	---	0B	3.880	0.328	0.272	0.865	0	0	0	---	---	21
22	---	---	0B	21.2 B	0.317	0.087	0.875	0	0	0	---	---	22
23	---	---	0B	42.5	0.202	0.050	0.805	0	0	0	---	---	23
24	---	---	0B	42.6	0.268	0.006	0.728	0	0	0	---	---	24
25	---	---	0B	28.7	0.195	0	0.585	0	0	0	---	---	25
26	---	---	0B	14.8	0.177	0	1.10	0	0	0	---	---	26
27	---	---	0B	8.20	0.147	0	1.20	0	0	0	---	---	27
28	---	---	0B	4.81	0.004	0	1.58	0	0	0	---	---	28
29	---		0B	3.40	0.002	0	1.07	0	0	0	---	---	29
30	---		0B	2.97	0.002	0	0.571	0	0	0	---	---	30
31	---		0B		0.027		0.500	0		0		---	31
TOTAL	---	---	0	173.00	16.008	30.027	72.703	4.390	0	0	---	---	TOTAL
MEAN	---	---	0	5.77	0.516	1.00	2.30	0.138	0	0	---	---	MEAN
MAX	---	---	0	42.5	2.30	5.38	8.14	0.630	0	0	---	---	MAX
MIN	---	---	0	0	0.027	0	0.280	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.21
MAXIMUM DAILY, 42.5 ON APR 23
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
46.0 AT 10:30 CST ON APR 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 37 00 N
LONG 103 45 00 W
DRAINAGE AREA, 800 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	6 270
FEB	---	AUG	371
MAR	0	SEP	0
APR	14 900	OCT	0
MAY	1 380	NOV	---
JUN	2 590	DEC	---

TOTAL DISCHARGE, 25 600 dam³

SHELL BROOK NEAR SHELLBROOK - STATION NO. 05GF001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.240B	0.207B	7.30	0.057	0.110	0	0	0.084	0.376	---	1
2	---	---	0.240B	0.207B	6.38	0.085	0.117	0	0	0.089	0.400	---	2
3	---	---	0.240B	0.301B	5.60	0.057	0.103	0	0	0.095	0.432	---	3
4	---	---	0.240B	0.321B	4.85	0.024	0.157	0	0	0.107	0.473A	---	4
5	---	---	0.240B	0.207B	4.44	0.005	0.202	0	0	0.109	---	---	5
6	---	---	0.240B	0.406B	3.56	0.002	0.204	0	0	0.113	---	---	6
7	---	---	0.240B	0.538B	3.50	0.022	0.107	0	0	0.134	---	---	7
8	---	---	0.240B	0.656B	3.28	0.022	0.106	0	0	0.121	---	---	8
9	---	---	0.240B	1.01 B	3.00	0.017	0.122	0	0	0.119	---	---	9
10	---	---	0.240B	1.00 B	2.78	0.013	0.115	0	0	0.143	---	---	10
11	---	---	0.240B	1.16 B	2.52	0.013	0.105	0	0	0.182	---	---	11
12	---	---	0.251B	1.24 B	2.30	0.021	0.101	0	0	0.171	---	---	12
13	---	---	0.247B	1.30 B	2.00	0.017	0.087	0	0.011	0.182	---	---	13
14	---	---	0.256B	1.53 B	1.81	0.021	0.061	0	0.034	0.213	---	---	14
15	---	---	0.256B	1.57 B	1.73	0.010	0.062	0	0.039	0.218	---	---	15
16	---	---	0.264B	1.56 B	1.55	0.022	0.068	0	0.065	0.214	---	---	16
17	---	---	0.267B	1.56 B	1.38	0.032	0.061	0	0.067	0.214	---	---	17
18	---	---	0.271B	1.65 B	1.25	0.032	0.046	0	0.072	0.221	---	---	18
19	---	---	0.270B	2.52 B	1.12	0.055	0.023	0	0.068	0.232	---	---	19
20	---	---	0.270B	4.78 B	1.01	0.030	0.017	0	0.068	0.244	---	---	20
21	---	---	0.273B	15.8 B	0.936	0.001	0.050	0	0.075	0.253	---	---	21
22	---	---	0.271B	14.6 B	0.854	0.014	0.057	0	0.074	0.260	---	---	22
23	---	---	0.270B	12.3	0.779	0.012	0.047	0	0.072	0.267	---	---	23
24	---	---	0.264B	11.0	0.688	0.042	0.034	0	0.068	0.276	---	---	24
25	---	---	0.256B	10.4	0.617	0.073	0.029	0	0.067	0.284	---	---	25
26	---	---	0.270B	11.5	0.510	0.074	0.025	0	0.065	0.290	---	---	26
27	---	---	0.281B	12.4	0.415	0.083	0.010	0	0.068	0.308	---	---	27
28	---	---	0.283B	12.1	0.334	0.087	0.010	0	0.076	0.314	---	---	28
29	---		0.272B	10.6	0.281	0.111	0.005	0	0.071	0.321	---	---	29
30	---		0.280B	8.40	0.197	0.105	0	0	0.077	0.331	---	---	30
31	---		0.271B		0.160		0	0		0.342		---	31
TOTAL	---	---	8.121	145.246	67.621	1.198	2.557	0	1.160	6.481	---	---	TOTAL
MEAN	---	---	0.262	4.84	2.18	0.040	0.082	0	0.037	0.209	---	---	MEAN
MAX	---	---	0.281	15.8	7.30	0.111	0.204	0	0.077	0.342	---	---	MAX
MIN	---	---	0.247	0.207	0.160	0.001	0	0	0	0.084	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.509
MAXIMUM DAILY, 15.80 ON APR 21
MINIMUM DAILY, 0 ON JUL 30
MAXIMUM INSTANTANEOUS,
17.30 AT 14:30 CST ON APR 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 15 10 N
LONG 106 23 00 W
DRAINAGE AREA, 2 500 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	221
FEB	---	AUG	0
MAR	702	SEP	96.2
APR	12 500	OCT	557
MAY	5 800	NOV	---
JUN	104	DEC	---

TOTAL DISCHARGE, 20 000 dam³

SHELL LAKE NEAR SHELL LAKE - STATION NO. 05EF004

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	581.838	---	581.801	581.724	581.698	581.638	---	1
2	---	---	---	---	---	581.836	---	581.797	581.721	581.696	581.638	---	2
3	---	---	---	---	---	581.834	---	581.792	581.718	581.693	581.638	---	3
4	---	---	---	---	---	581.833	---	581.788	581.714	581.691	581.637	---	4
5	---	---	---	---	---	581.830	---	581.784	581.709	581.688	581.637	---	5
6	---	---	---	---	---	581.818	---	581.781	581.705	581.688	581.637	---	6
7	---	---	---	---	---	581.818	---	581.778	581.717	581.684	581.638	---	7
8	---	---	---	---	---	581.813	---	581.774	581.715	581.681	581.638	---	8
9	---	---	---	---	---	581.810	---	581.771	581.742	581.678	581.638	---	9
10	---	---	---	---	---	581.807	---	581.767	581.742	581.677	581.638	---	10
11	---	---	---	---	---	581.804	---	581.785	581.742	581.675	581.638	---	11
12	---	---	---	---	---	581.802	---	581.782	581.741	581.672	581.638	---	12
13	---	---	---	---	---	581.801	---	581.780	581.740	581.668	581.638	---	13
14	---	---	---	---	---	581.798	---	581.787	581.738	581.667	581.638	---	14
15	---	---	---	---	---	---	---	581.785	581.737	581.666	581.638	---	15
16	---	---	---	---	---	---	---	581.783	581.738	581.663	581.638	---	16
17	---	---	---	---	---	---	---	581.781	581.737	581.660	---	---	17
18	---	---	---	---	---	---	---	581.780	581.737	581.657	---	---	18
19	---	---	---	---	---	---	---	581.767	581.736	581.655	---	---	19
20	---	---	---	---	---	---	---	581.766	581.736	581.653	---	---	20
21	---	---	---	---	---	581.783	---	581.762	581.732	581.651	---	---	21
22	---	---	---	---	---	581.780	---	581.760	581.730	581.650	---	---	22
23	---	---	---	---	---	581.836	---	581.758	581.727	581.648	---	---	23
24	---	---	---	---	---	581.858	---	581.758	581.726	581.648	---	---	24
25	---	---	---	---	---	581.892	---	581.733	581.721	581.644	---	---	25
26	---	---	---	---	---	581.898	---	581.729	581.718	581.642	---	---	26
27	---	---	---	---	---	581.867	---	581.727	581.718	581.641	---	---	27
28	---	---	---	---	---	581.896	---	581.724	581.713	581.640	---	---	28
29	---		---	---	---	581.895	---	581.723	581.710	581.638	---	---	29
30	---		---	---	581.831	581.893	---	581.720	581.708	581.638	---	---	30
31	---		---		---		---	581.727		581.643		---	31
MEAN	---	---	---	---	---	---	---	581.758	581.728	581.664	---	---	MEAN
MAX	---	---	---	---	---	---	---	581.801	581.742	581.698	---	---	MAX
MIN	---	---	---	---	---	---	---	581.720	581.708	581.638	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 581.898 ON JUN 28

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 13 25 N
LONG 107 10 17 W
DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SHEPHERD DITCH NEAR CONSUL - STATION NO 11AB020

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0848	0.284	0.002	0.003	0.003	0.001	0.002	---	---	1
2	---	---	0 B	0.2158	0.271	0.002	0.003	0.003	0.001	0.002	---	---	2
3	---	---	0 B	0.1928	0.211	0.002	0.002	0.003	0.001	0.002	---	---	3
4	---	---	0 B	0.2018	0.143	0.002	0.002	0.003	0.001	0.003	---	---	4
5	---	---	0 B	0.1978	0.097A	0.002	0.003	0.003	0.001	0.003	---	---	5
6	---	---	0 B	0.2088	0.0082	0.002	0.002	0.003	0.001	0.003	---	---	6
7	---	---	0 B	0.2368	0.0032	0.002	0.001	0.002	0.001	0.003	---	---	7
8	---	---	0 B	0.201	0.0032	0.003	0.002	0.002	0.001	0.003	---	---	8
9	---	---	0 B	0.233	0.0042	0.002	0.002	0.002	0.001	0.003	---	---	9
10	---	---	0 B	0.245	0.118A	0.018	0.004	0.002	0.001	0.003	---	---	10
11	---	---	0 B	0.231A	0.180	0.007	0.002	0.002	0.002	0.003	---	---	11
12	---	---	0 B	0.192	0.011A	0.104	0.002	0.001	0.002	0.003	---	---	12
13	---	---	0 B	0.171	0.006	0.116	0.001	0.001	0.002	0.004	---	---	13
14	---	---	0 B	0.187	0.004	0.113	0.001	0.001	0.001	0.004	---	---	14
15	---	---	0 B	0.184	0.005	0.100	0.001	0.001	0.001	0.004	---	---	15
16	---	---	0 B	0.188	0.007	0.100	0.001	0.001	0.001	0.004	---	---	16
17	---	---	0 B	0.204	0.006	0.107	0.001	0.001	0.001	0.004	---	---	17
18	---	---	0 B	0.270	0.005	0.115	0.001	0.001	0.001	0.004	---	---	18
19	---	---	0 B	0.284	0.005	0.120	0.001	0.001	0.001	0.005	---	---	19
20	---	---	0 B	0.317	0.008	0.100	0.000	0	0.001	0.005	---	---	20
21	---	---	0 B	0.388	0.008	0.100	0.001	0	0.001	0.003	---	---	21
22	---	---	0 0018	0.276	0.003	0.170	0.003	0	0.001	0.004	---	---	22
23	---	---	0 0028	0.258	0.003	0.100	0.003	0.001	0.001	0.004	---	---	23
24	---	---	0 0028	0.278	0.003	0.100	0.003	0.001	0.001	0.004	---	---	24
25	---	---	0 0028	0.258	0.003	0.100	0.003	0.001	0.001	0.004	---	---	25
26	---	---	0 0028	0.233	0.003	0.012	0.003	0.001	0.001	0.004	---	---	26
27	---	---	0 0028	0.246	0.003	0.007	0.003	0.001	0.002	0.003	---	---	27
28	---	---	0 0028	0.258	0.003	0.005	0.003	0.001	0.003	0.003	---	---	28
29	---		0 0028	0.244	0.002	0.005	0.003	0.001	0.002	0.003	---	---	29
30	---		0 0028	0.258	0.002	0.004	0.003	0.001	0.002	0.003	---	---	30
31	---		0 0028		0.003		0.003	0.001		0.003A		---	31
TOTAL	---	---	0.010	7.127	1.381	2.041	0.073	0.045	0.027	0.105	---	---	TOTAL
MEAN	---	---	0.001	0.238	0.045	0.086	0.002	0.001	0.001	0.003	---	---	MEAN
MAX	---	---	0.002	0.388	0.271	0.180	0.006	0.003	0.002	0.005	---	---	MAX
MIN	---	---	0	0.084	0.002	0.002	0.001	0	0.001	0.002	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.044
MAXIMUM DAILY, 0.388 ON APR 19
MINIMUM DAILY, 0.0 ON MAR 1

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 24 50 N
LONG 109 44 30 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.31
FEB	---	AUG	2.80
MAR	1.04	SEP	2.39
APR	616	OCT	0.97
MAY	119	NOV	---
JUN	176	DEC	---

TOTAL DISCHARGE, 838 dam³

SHORT CREEK NEAR ROCHE PERCEE - STATION NO. 05AB031

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0	0.0	0.7458	10.7 B	0.322	0.071	0.011	0.006	0.001	0.002	0.004	0.002	1
2	0.0	0.0	0.6949	9.28 B	0.246	0.060	0.010	0.004	0.001	0.002	0.004	0.002	2
3	0.0	0.0	0.6148	8.21 B	0.268	0.060	0.009	0.002	0.001	0.003	0.003	0.001	3
4	0.0	0.0	0.5268	6.26	0.235	0.053	0.008	0.030	0	0.002	0.002	0.001	4
5	0.0	0.0	0.5739	4.24	0.200	0.049	0.006	0.032	0	0.002	0.003	0.002	5
6	0.0	0.0	0.6478	4.06	0.178	0.044	0.007	0.026	0	0.002	0.001	0.002	6
7	0.0	0.0	0.5408	4.32	0.153	0.038	0.008	0.022	0	0.002	0.001	0.002	7
8	0.0	0.0	0.3998	3.84	0.133	0.032	0.049	0.015	0	0.002	0.001	0.001	8
9	0.0	0.0	0.1978	3.66	0.121	0.027	0.037	0.009	0.001	0.003	0.001	0.001	9
10	0.0	0.0	0.1708	3.32	0.115	0.027	0.031	0.004	0.001	0.002	0.001	0.001	10
11	0.0	0.0	0.2338	3.06	0.100	0.024	0.018	0.004	0.002	0.002	0.001	0.002	11
12	0.0	0.0015	0.3078	2.77	0.108	0.018	0.013	0.005	0.004	0.002	0.001	0.003	12
13	0.0	0.0068	0.3798	2.32	0.148	0.020	0.009	0.005	0.005	0.003	0.001	0.003	13
14	0.0	0.0078	0.5408	1.95	0.183	0.017	0.007	0.005	0.005	0.003	0.001	0.003	14
15	0.0	0.0068	0.6798	1.88	0.150	0.015	0.007	0.005	0.004	0.003	0.001	0.003	15
16	0.0	0.0088	0.7588	1.86	0.149	0.012	0.007	0.003	0.003	0.003	0.001	0.003	16
17	0.0	0.0088	0.8488	1.68	0.181	0.011	0.006	0.002	0.003	0.003	0.002	0.003	17
18	0.0	1.60 B	0.8229	1.39	0.383	0.081	0.060	0.002	0.003	0.003	0.002	0.003	18
19	0.0	3.67 B	0.9588	1.30	0.365	0.078	0.061	0.001	0.003	0.002	0.003	0.003	19
20	0.0	3.64 B	0.3298	1.18	0.291	0.062	0.117	0.002	0.003	0.002	0.003	0.003	20
21	0.0	3.45 B	0.1878	1.07	0.243	0.028	0.210	0.002	0.002	0.002	0.003	0.0038	21
22	0.0	3.40 B	0.1388	0.935	0.193	0.021	0.481	0.002	0.002	0.002	0.003	0.0038	22
23	0.0	3.40 B	0.0668	0.859	0.185	0.034	0.480	0.002	0.002	0.002	0.003	0.0038	23
24	0.0	1.50 B	0.1978	0.767	0.171	0.030	0.358	0.002	0.002	0.002	0.004	0.0038	24
25	0.0	1.34 B	0.2678	0.683	0.178	0.022	0.298	0.002	0.003	0.002	0.004	0.0028	25
26	0.0	1.33 B	0.2398	0.596	0.161	0.020	0.298	0.002	0.002	0.002	0.004	0.0028	26
27	0.0	1.02 B	0.2488	0.528	0.113	0.019	0.200	0.001	0.002	0.002	0.004	0.0018	27
28	0.0	0.7908	0.8888	0.497	0.105	0.011	0.188	0.001	0.002	0.003	0.002	0.0018	28
29	0.0		2.74 B	0.438	0.093	0.009	0.175	0.001	0.001	0.003	0.002	0.0018	29
30	0.0		5.43 B	0.383	0.078	0.010	0.135	0.001	0.003	0.003	0.002	0.0018	30
31	0.0		11.8 B		0.075		0.080	0.001		0.003		0.0018	31
TOTAL	0	22.195	32.008	80.334	5.557	0.985	3.511	0.276	0.055	0.076	0.087	0.084	TOTAL
MEAN	0	0.783	1.03	2.58	0.179	0.033	0.113	0.012	0.002	0.002	0.003	0.003	MEAN
MAX	0	3.67	11.8	10.7	0.383	0.078	0.480	0.006	0.005	0.003	0.004	0.003	MAX
MIN	0	0	0.068	0.383	0.075	0.008	0.006	0.001	0	0.002	0.001	0.001	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.388
MAXIMUM DAILY, 11.8 B 06 MAR 31
MINIMUM DAILY, 0.0 B 06 JAN 1
MAXIMUM INSTANTANEOUS,
14.19 AT 20:00 CST 06 MAR 31

SUMMARY FOR THE YEAR 1983

INTERNATIONAL BOUNDS STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 01 52 N
LONG 103 56 57 W
DRAINAGE AREA, 1 210 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	303
FEB	1 920	AUG	32.5
MAR	2 770	SEP	4.64
APR	6 940	OCT	6.39
MAY	480	NOV	6.75
JUN	85.4	DEC	6.93

TOTAL DISCHARGE, 12 000 dam³

SILTON INDEX RESERVOIR - STATION NO. 05JM007

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	39.227	---	39.130	---	---	---	---	---	5
6	---	---	---	39.276	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	39.095	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	27.985	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	39.010	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	39.353	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	27.674	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	39.383	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	39.289	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	27.6702	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	---	---	---	---	---	---	---	---	29
30	---		---	39.3268	---	39.1288	---	---	39.0388	---	---	---	30
31	---		27.6748		39.2298		39.3408	39.0908		27.9908		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - MANUAL
LOCATION - LAT 50 07 55 N
LONG 104 54 11 W

B - ESTIMATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SMITH CREEK NEAR MARCHWELL - STATION NO. 05ME007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.222	0.001	0	0	0	0	---	---	1
2	---	---	0B	0 B	0.301	0	0	0	0	0	---	---	2
3	---	---	0B	0 B	0.409	0	0.002	0	0	0	---	---	3
4	---	---	0B	0 B	0.423	0	0.002	0	0	0	---	---	4
5	---	---	0B	0 B	0.482	0	0	0	0	0	---	---	5
6	---	---	0B	0.0010	0.478	0	0	0	0	0	---	---	6
7	---	---	0B	0.0040	0.435	0	0	0	0	0	---	---	7
8	---	---	0B	0.015	0.370	0	0	0	0	0	---	---	8
9	---	---	0B	0.025	0.354	0	0	0	0	0	---	---	9
10	---	---	0B	0.018	0.338	0	0.010	0	0	0	---	---	10
11	---	---	0B	0.010	0.280	0	0.008	0	0	0	---	---	11
12	---	---	0B	0.005	0.204	0	0.013	0	0	0	---	---	12
13	---	---	0B	0.120	0.218	0	0.021	0	0	0	---	---	13
14	---	---	0B	0.224	0.227	0	0.028	0	0	0	---	---	14
15	---	---	0B	0.165	0.267	0	0.018	0	0	0	---	---	15
16	---	---	0B	0.103	0.303	0	0.011	0	0	0	---	---	16
17	---	---	0B	0.222	0.375	0.008	0.008	0	0	0	---	---	17
18	---	---	0B	0.272	0.307	0.086	0.003	0	0	0	---	---	18
19	---	---	0B	1.03	0.255	0.083	0	0	0	0	---	---	19
20	---	---	0B	2.81	0.214	0.030	0	0	0	0	---	---	20
21	---	---	0B	4.05	0.176	0.013	0	0	0	0	---	---	21
22	---	---	0B	3.26	0.122	0.008	0	0	0	0	---	---	22
23	---	---	0B	2.58	0.083	0.005	0	0	0	0	---	---	23
24	---	---	0B	2.13	0.074	0.002	0	0	0	0	---	---	24
25	---	---	0B	1.66	0.063	0.004	0	0	0	0	---	---	25
26	---	---	0B	1.95	0.034	0.003	0	0	0	0	---	---	26
27	---	---	0B	1.38	0.024	0.002	0	0	0	0	---	---	27
28	---	---	0B	0.713	0.015	0.002	0	0	0	0	---	---	28
29	---		0B	0.381	0.008	0.002	0	0	0	0	---	---	29
30	---		0B	0.223	0.005	0	0	0	0	0	---	---	30
31	---		0B		0.003		0	0		0		---	31
TOTAL	---	---	0	23.610	7.486	0.220	0.132	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.787	0.241	0.008	0.004	0	0	0	---	---	MEAN
MAX	---	---	0	4.05	0.482	0.086	0.031	0	0	0	---	---	MAX
MIN	---	---	0	0	0.003	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.128
MAXIMUM DAILY, 4.05 ON APR 21
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
4.90 AT 02:24 CST ON APR 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 45 56 N
LONG 101 24 43 W
DRAINAGE AREA, 435 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	11.4
FEB	---	AUG	0
MAR	0	SEP	0
APR	1 990	OCT	0
MAY	646	NOV	---
JUN	19.0	DEC	---

TOTAL DISCHARGE, 2 670 dam³

SMOOTHSTONE RIVER BELOW EMMELINE LAKE - STATION NO. 06CC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.480	4.870	3.820	3.050	11.9	21.5	35.1	21.6	7.39	10.6	7.40	6.80	1
2	5.670	4.770	3.820	3.070	12.4	22.0	37.1	21.0	7.03	10.3	7.52	6.40	2
3	5.450	4.530	4.040	3.040	13.4	22.5	38.2	20.1	7.46	10.0	6.98	6.35	3
4	5.900	4.400	4.000	2.380	13.4	23.3	40.1	19.4	7.02	9.81	7.40	6.30	4
5	5.050	4.400	4.120	3.130	13.8	24.1	40.7	18.6	7.24	10.2	8.00	6.13	5
6	5.580	4.400	4.040	3.12A	13.9	25.0	41.0	17.8	7.84	10.1	7.08	6.05	6
7	5.450	4.460	4.000	3.18E	14.3	25.0A	39.5	17.0	7.63	9.82	7.30	6.00	7
8	5.230	4.510	4.030	3.25E	14.7	26.9	38.4	16.2	7.40	9.53	7.58	5.81	8
9	5.220	4.480	3.980	3.38E	15.1	28.4	37.5	15.2	7.20	9.27	7.37	5.46	9
10	5.280	4.420	3.960	3.60E	14.7	28.2	37.2	14.6	7.08	9.41	8.83	5.84	10
11	5.170	4.370	3.880	3.63E	15.2	28.9	34.8	13.7	7.17	9.88	7.81	5.80	11
12	5.270	4.370	4.010	3.76E	15.7	28.2	33.0	13.6	6.86	9.03	7.12	5.89	12
13	5.280	4.330	3.880	3.98E	15.6	28.6	31.5	13.5	6.89	8.80	7.44	5.58	13
14	5.440	4.300	3.780	4.15E	15.6	28.2	28.4	13.0	6.80	8.45	7.48	5.378	14
15	5.230	4.380	3.880	4.36E	15.3	28.0	28.1	12.3	6.58	8.64	7.58	5.300	15
16	5.230	4.440	3.710	4.80E	15.6	28.1	26.3	11.8	6.88	8.65	7.84	5.040	16
17	5.170	4.160	3.640	4.85E	15.5	25.3	25.0	11.4	6.97	8.71	7.85	4.880	17
18	5.050	3.900	3.760	5.10E	16.08	23.6	24.2	11.0	10.1	7.84	7.70	4.780	18
19	5.020	3.880	3.640	5.60E	16.75	22.4	23.5	11.2	11.8	7.77	7.66	4.860	19
20	5.000	3.830	3.900	5.83A	16.96	23.1	23.6	10.3	11.1	7.72	7.87	4.810	20
21	5.000	3.980	4.080	6.67	17.15	21.9	21.8	10.0	10.8	7.78	7.18	4.830	21
22	5.200	4.000	4.180	7.27	17.40	20.6	27.6	9.61	10.9	7.79	7.46	4.830	22
23	5.180	4.120	4.180	7.86	17.78	20.1	27.8	9.20	11.3	7.86	7.85	4.840	23
24	5.100	4.010	4.130	8.45	18.06	19.3	27.3	8.80	11.6	7.76	7.13	4.820	24
25	5.120	3.880	4.070	8.83	18.46	21.0	26.2	8.64	11.6	7.65	6.76	4.670	25
26	5.140	3.880	4.030	9.27	18.68	26.5	25.3	8.26	11.4	7.47	6.80	4.440	26
27	5.200	3.880	3.970	9.83	19.26	28.8	24.7	8.13	11.6	7.40	6.80	4.300	27
28	5.110	3.840	3.870	10.3	19.86	30.0	23.5	7.80	11.9	7.36	6.80	4.223	28
29	4.980		4.040	10.8	20.66	31.0	22.2	7.83	11.3	7.14	6.66	4.180	29
30	4.940		4.030	11.3	20.56	33.2	22.5	7.86	10.8	7.06	6.62	3.880	30
31	4.800		3.880		21.66		22.5	7.43		7.01		3.830	31
TOTAL	162.60	118.48	123.10	171.03	507.2	761.2	936.6	387.77	267.90	266.00	220.26	160.06	TOTAL
MEAN	5.25	4.27	3.97	5.70	16.4	25.4	30.2	12.6	8.93	8.58	7.34	5.16	MEAN
MAX	5.90	4.87	4.18	11.3	21.6	33.2	41.0	21.6	11.9	10.6	8.80	6.80	MAX
MIN	4.80	3.84	3.64	3.12	11.9	19.3	21.8	7.43	6.56	7.01	6.76	3.83	MIN

SUMMARY FOR THE YEAR 1983

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 11.2
MAXIMUM DAILY, 41.0 ON JUL 6
MINIMUM DAILY, 3.12A ON APR 6
MAXIMUM INSTANTANEOUS,
41.1 AT 23:45 CST ON JUL 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 10 15 N
LONG 106 12 10 W
DRAINAGE AREA, 6 020 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	14 000	JUL	80 900
FEB	10 200	AUG	34 400
MAR	10 600	SEP	23 200
APR	14 800	OCT	23 000
MAY	43 800	NOV	19 000
JUN	65 800	DEC	13 900

TOTAL DISCHARGE, 354 000 dam³

SNAKEBITE CREEK NEAR BEECHY - STATION NO. 05HE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.006B	1.45	0.004	0.003	0	0.022	0	0	---	---	1
2	---	0 B	0.007B	0.883	0.005	0.003	0	0.015	0	0	---	---	2
3	---	0 B	0.006B	0.579	0.004	0.003	0	0.014	0	0	---	---	3
4	---	0 B	0.012B	0.401	0.006	0.003	0	0.010	0	0	---	---	4
5	---	0 B	0.024B	0.266	0.005	0.003	0	0.006	0	0	---	---	5
6	---	0 B	0.021B	0.163A	0.004	0.003	0	0.002	0	0	---	---	6
7	---	0 B	0.014B	0.073	0.001	0.003	0	0	0	0	---	---	7
8	---	0 B	0.010B	0.054	0.002	0.002	0	0	0	0	---	---	8
9	---	0 B	0.015B	0.100	0.005	0.001	0	0	0	0	---	---	9
10	---	0 B	0.045B	0.073	0.039	0	0	0	0	0	---	---	10
11	---	0 B	0.353B	0.062E	0.032	0	0	0	0	0	---	---	11
12	---	0 B	0.273B	0.047E	0.076	0	0	0	0	0	---	---	12
13	---	0 B	0.233B	0.037E	0.066	0	0	0	0	0	---	---	13
14	---	0 B	0.214B	0.031E	0.066	0	0	0	0	0	---	---	14
15	---	0 B	0.116B	0.025E	0.065	0	0	0	0	0	---	---	15
16	---	0 B	0.116B	0.017E	0.040	0	0	0	0	0	---	---	16
17	---	0 B	0.130B	0.008A	0.029	0	0	0	0	0	---	---	17
18	---	0 B	0.120B	0.006	0.024	0	0	0	0	0	---	---	18
19	---	0 B	0.110B	0.004	0.019	0	0	0	0	0	---	---	19
20	---	0 B	0.100B	0.005	0.015	0	0.465	0	0	0	---	---	20
21	---	0 B	0.090B	0.010	0.013	0	1.50	0	0	0	---	---	21
22	---	0 B	0.080B	0.007	0.013	0	1.31	0	0	0	---	---	22
23	---	0 B	0.075B	0.006	0.011	0	0.618	0	0	0	---	---	23
24	---	0 B	0.070B	0.005	0.008	0	0.284A	0	0	0	---	---	24
25	---	0 B	0.060B	0.006	0.007	0	0.158A	0	0	0	---	---	25
26	---	0.023B	0.060B	0.011	0.006	0	0.115	0	0	0	---	---	26
27	---	0.021B	0.100B	0.007	0.005	0	0.074	0	0	0	---	---	27
28	---	0.009B	0.419B	0.006	0.007	0	0.054	0	0	0	---	---	28
29	---		2.51 B	0.005	0.005	0	0.040	0	0	0	---	---	29
30	---		7.53 B	0.004	0.004	0	0.031	0	0	0	---	---	30
31	---		6.15		0.003		0.025	0		0		---	31
TOTAL	---	0.053	18.172	4.334	0.624	0.024	4.656	0.073	0	0	---	---	TOTAL
MEAN	---	0.002	0.586	0.144	0.020	0.001	0.150	0.002	0	0	---	---	MEAN
MAX	---	0.023	7.53	1.45	0.086	0.003	1.50	0.022	0	0	---	---	MAX
MIN	---	0	0.006	0.004	0.001	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.118
MAXIMUM DAILY, 7.530 ON MAR 30
MINIMUM DAILY, 0 ON JUN 10
MAXIMUM INSTANTANEOUS,
10.5 AT 08:34 CST ON MAR 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 48 06 N
LONG 107 16 31 W
DRAINAGE AREA, 859 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	402
FEB	4.58	AUG	6.31
MAR	1 570	SEP	0
APR	374	OCT	0
MAY	53.9	NOV	---
JUN	2.07	DEC	---

TOTAL DISCHARGE, 2 500 dam³

SNIPE LAKE NEAR ESTON - STATION NO. 05HC002

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	DRY	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	27.816	---	---	---	---	27.298	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	27.811	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	27.843	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	27.774	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	27.812	---	---	---	---	---	27
28	---	---	---	---	---	27.880	---	---	27.381	---	---	---	28
29	---		---	---	---	---	---	---	---	---	---	---	29
30	---		---	27.833E	---	27.800E	---	---	27.300E	---	---	---	30
31	---		---		27.736E		27.562E	27.349E		DRY		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MINIMUM DAILY, DRY ON OCT 31

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 13 02 N
LONG 108 51 10 W
DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

E - ESTIMATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SNIPE LAKE NORTH INFLOW - STATION NO. 05HC003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.227	0.018	0	0	0.003	0	0	---	---	1
2	---	---	0 B	0.273	0.014	0	0	0.002	0	0	---	---	2
3	---	---	0 B	0.224	0.013	0	0.107	0.001	0	0	---	---	3
4	---	---	0 B	0.108	0.011	0	0.214	0	0	0	---	---	4
5	---	---	0 B	0.084	0.010	0	0.140	0	0	0	---	---	5
6	---	---	0 B	0.055	0.008	0	0.064	0	0	0	---	---	6
7	---	---	0 B	0.052	0.007	0	0.047	0	0	0	---	---	7
8	---	---	0 B	0.053	0.006	0	0.036	0	0	0	---	---	8
9	---	---	0 B	0.048	0.005	0	0.028	0	0	0	---	---	9
10	---	---	0 B	0.023	0.208	0	0.023	0	0	0	---	---	10
11	---	---	0 B	0.017	0.013	0	0.029	0	0	0	---	---	11
12	---	---	0.210B	0.018	0.012	0	0.027	0	0	0	---	---	12
13	---	---	0.501B	0.024	0.010	0	0.029	0	0	0	---	---	13
14	---	---	0.386B	0.028	0.007	0	0.029	0	0	0	---	---	14
15	---	---	0.171B	0.048	0.005	0	0.027	0	0	0	---	---	15
16	---	---	0.032B	0.045	0.004	0	0.026	0	0	0	---	---	16
17	---	---	0.014B	0.054	0.003	0	0.027	0	0	0	---	---	17
18	---	---	0.012B	0.046	0.002	0	0.023	0	0	0	---	---	18
19	---	---	0.012B	0.032	0.003	0	0.017	0	0	0	---	---	19
20	---	---	0.011B	0.100	0.002	0	0.018	0	0	0	---	---	20
21	---	---	0.010B	0.079	0.001	0	0.029	0	0	0	---	---	21
22	---	---	0.010B	0.082	0.001	0	0.034	0	0	0	---	---	22
23	---	---	0.014B	0.052	0.001	0	0.030	0	0	0	---	---	23
24	---	---	0.012B	0.045	0	0	0.019	0	0	0	---	---	24
25	---	---	0.011B	0.065	0	0	0.016	0	0	0	---	---	25
26	---	---	0.011B	0.060	0	0	0.013	0	0	0	---	---	26
27	---	---	0.130B	0.043	0	0	0.011	0	0	0	---	---	27
28	---	---	0.500B	0.037	0	0	0.009	0	0	0	---	---	28
29	---		0.740B	0.029	0	0	0.007	0	0	0	---	---	29
30	---		0.821B	0.022	0	0	0.005	0	0	0	---	---	30
31	---		0.006		0		0.004	0		0		---	31
TOTAL	---	---	4.231	2.004	0.162	0	1.184	0.006	0	0	---	---	TOTAL
MEAN	---	---	0.136	0.067	0.005	0	0.038	0	0	0	---	---	MEAN
MAX	---	---	0.821	0.273	0.018	0	0.214	0.003	0	0	---	---	MAX
MIN	---	---	0	0.017	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.031
MAXIMUM DAILY, 0.821B ON MAR 30
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.060 AT 23:03 CST ON MAR 29

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 21 18 N
LONG 108 51 48 W
DRAINAGE AREA, 44.0 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	102
FEB	---	AUG	0.52
MAR	366	SEP	0
APR	173	OCT	0
MAY	14.0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 657 dam³

SOURIS RIVER NEAR BECHARD - STATION NO. 05ND031

DAILY DISCHARGE IN CUBIC METRUS PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	2.95	0.160	0.147	0.001	0	0	---	---	1
2	---	---	0B	0 B	3.14	0.123	0.143	0.007	0	0	---	---	2
3	---	---	0B	0 B	2.85	0.122	0.584	0.535	0	0	---	---	3
4	---	---	0B	0 B	2.40	0.111	0.401	0.488	0	0	---	---	4
5	---	---	0B	0 B	2.10	0.104	0.195	0.484	0	0	---	---	5
6	---	---	0B	0 B	1.71	0.097	0.094	0.384	0	0	---	---	6
7	---	---	0B	0 B	1.50	0.095	0.033	0.356	0	0	---	---	7
8	---	---	0B	0 B	1.33	0.086	0.007	0.319	0	0	---	---	8
9	---	---	0B	0 B	1.32	0.089	0.001	0.263	0	0	---	---	9
10	---	---	0B	0 B	1.41	0.085	0.333	0.181	0	0	---	---	10
11	---	---	0B	0 B	1.43	0.094	0.826	0.110	0	0	---	---	11
12	---	---	0B	0 B	1.12	1.00	1.33	0.043	0	0	---	---	12
13	---	---	0B	0 B	0.771	7.15	2.04	0.032	0	0	---	---	13
14	---	---	0B	0 B	1.10	5.87	1.95	0.011	0	0	---	---	14
15	---	---	0B	0 B	1.76	4.22	1.44	0.002	0	0	---	---	15
16	---	---	0B	0 B	1.95	3.26	1.21	0	0	0	---	---	16
17	---	---	0B	0.005B	1.99	2.75	1.04	0	0	0	---	---	17
18	---	---	0B	2.20 B	1.88	2.16	0.922	0	0	0	---	---	18
19	---	---	0B	23.9	1.37	1.82	0.836	0	0	0	---	---	19
20	---	---	0B	42.6	1.16	1.37	0.800	0	0	0	---	---	20
21	---	---	0B	31.4	1.00	1.02	0.983	0	0	0	---	---	21
22	---	---	0B	30.6	0.825	0.885	1.05	0	0	0	---	---	22
23	---	---	0B	14.8	0.663	0.831	1.04	0	0	0	---	---	23
24	---	---	0B	11.3	0.511	0.697	0.975	0	0	0	---	---	24
25	---	---	0B	8.80	0.384	0.612	0.805	0	0	0	---	---	25
26	---	---	0B	7.22	0.282	0.329	0.821	0	0	0	---	---	26
27	---	---	0B	6.44	0.211	0.215	0.789	0	0	0	---	---	27
28	---	---	0B	5.55	0.174	0.182	0.762	0	0	0	---	---	28
29	---		0B	4.81	0.160	0.136	0.723	0	0	0	---	---	29
30	---		0B	4.18	0.148	0.139	0.881	0	0	0	---	---	30
31	---		0B		0.148		0.826	0		0		---	31
TOTAL	---	---	0	184.005	40.225	36.434	23.669	4.288	0	0	---	---	TOTAL
MEAN	---	---	0	6.13	1.30	1.21	0.764	0.142	0	0	---	---	MEAN
MAX	---	---	0	42.6	3.95	7.15	2.04	0.007	0	0	---	---	MAX
MIN	---	---	0	0	0.148	0.085	0.001	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.16
MAXIMUM DAILY, 42.6 ON APR 20
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
47.6 AT 02:38 CST ON APR 20

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 59 29 N
LONG 104 11 24 W
DRAINAGE AREA, 1 070 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	2 000
FEB	---	AUG	300
MAR	0	SEP	0
APR	15 900	OCT	0
MAY	3 480	NOV	---
JUN	3 150	DEC	---

TOTAL DISCHARGE, 25 000 dam³

SOURIS RIVER NEAR GLEN EWEN - STATION NO. 05AD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.1480	0.0700	2.030	30.20	41.0	6.11	2.25	0.580	0.045	0.021	0.031	0.1280	1
2	0.1480	0.0660	2.340	33.30	37.7	5.81	2.22	0.566	0.045	0.023	0.027	0.1250	2
3	0.1490	0.0700	2.070	35.40	35.6	5.20	2.46	0.497	0.039	0.022	0.032	0.1230	3
4	0.1500	0.0940	1.800	40.00	35.1	4.62	2.37	0.405	0.038	0.019	0.034	0.1210	4
5	0.1380	0.1080	1.690	42.70	34.5	4.27	2.25	0.370	0.036	0.027	0.032	0.1200	5
6	0.1360	0.1300	1.900	44.10	33.4	4.01	2.13	0.329	0.034	0.036	0.030	0.1180	6
7	0.1220	0.1490	2.200	39.10	33.5	3.72	1.84	0.288	0.034	0.036	0.028	0.1160	7
8	0.1220	0.1500	2.570	37.40	30.0	3.44	1.62	0.265	0.032	0.035	0.028	0.1150	8
9	0.1390	0.1840	2.120	40.70	27.0	3.30	1.75	0.238	0.031	0.035	0.027	0.1210	9
10	0.1430	0.1740	1.880	40.80	24.3	3.33	2.05	0.218	0.028	0.035	0.035	0.1290	10
11	0.1370	0.1480	1.330	33.8	21.5	3.17	2.31	0.190	0.027	0.033	0.036	0.1180	11
12	0.1560	0.1280	1.320	32.4	20.6	2.81	1.89	0.165	0.025	0.030	0.029	0.1090	12
13	0.1500	0.1260	1.600	30.6	20.7	2.38	1.59	0.142	0.031	0.029	0.029	0.1010	13
14	0.1440	0.1770	2.660	31.3	18.9	2.27	1.31	0.128	0.018	0.031	0.028	0.0980	14
15	0.1580	0.2580	3.630	35.3	18.0	2.09	1.13	0.111	0.017	0.033	0.029	0.0980	15
16	0.1820	0.2660	3.680	40.3	16.4	1.92	1.02	0.092	0.015	0.032	0.032	0.1080	16
17	0.1850	0.1910	2.680	43.3	15.5	1.80	0.903	0.087	0.013	0.031	0.031	0.1110	17
18	0.1840	0.2100	2.220	46.5	14.5	1.66	0.825	0.083	0.013	0.030	0.031	0.1120	18
19	0.1580	0.2430	2.020	48.0	13.1	1.57	0.867	0.072	0.009	0.031	0.031	0.1120	19
20	0.1660	0.5080	1.870	46.9	12.0	1.51	1.03	0.078	0.005	0.031	0.031	0.1150	20
21	0.0810	1.70 B	1.700	70.7	12.1	1.47	1.03	0.077	0.003	0.032	0.232	0.1100	21
22	0.0670	1.13 B	1.600	63.1	11.3	1.45	0.879	0.082	0.003	0.030	0.810	0.1060	22
23	0.0560	0.9180	1.510	48.6	10.3	1.42	0.777	0.084	0.007	0.030	0.661	0.1010	23
24	0.0510	1.20 B	1.380	37.8	9.44	1.30	0.716	0.072	0.010	0.031	0.814	0.0905	24
25	0.1440	1.87 B	1.330	31.8	8.95	1.04	0.883	0.071	0.009	0.028	0.5160	0.0940	25
26	0.1430	2.57 B	1.490	30.9	8.88	1.02	0.798	0.089	0.009	0.026	0.2990	0.0920	26
27	0.1230	2.98 B	2.060	33.2	8.69	1.20	0.728	0.084	0.011	0.027	0.1630	0.0900	27
28	0.0780	2.75 B	3.540	37.7	8.94	1.56	0.581	0.087	0.013A	0.026	0.1570	0.0870	28
29	0.0630		6.540	42.2	8.10	1.80	0.493	0.073	0.013E	0.026	0.1400	0.0840	29
30	0.0580		12.1 B	42.7	7.44	2.07	0.896	0.082	0.013E	0.026	0.1340	0.0810	30
31	0.0770		21.4 B		8.87		0.881	0.083		0.029		0.0780	31
TOTAL	3.885	18.686	99.59	1 222.4	666.20	79.08	42.025	5.584	0.814	0.917	4.845	3.323	TOTAL
MEAN	0.125	0.667	3.21	40.7	19.8	2.64	1.36	0.180	0.020	0.030	0.155	0.107	MEAN
MAX	0.184	2.98	21.4	70.7	41.0	6.11	2.46	0.566	0.045	0.036	0.810	0.129	MAX
MIN	0.058	0.066	1.32	30.2	8.87	1.02	0.493	0.063	0.003	0.018	0.026	0.078	MIN

SUMMARY FOR THE YEAR 1983

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.72
MAXIMUM DAILY, 70.7 ON APR 21
MINIMUM DAILY, 0.003 ON SEP 21
MAXIMUM INSTANTANEOUS,
72.4 AT 11:02 CST ON APR 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 11 02 N
LONG 102 01 42 W
DRAINAGE AREA, 22 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	337	JUL	3 630
FEB	1 810	AUG	483
MAR	6 800	SEP	93.0
APR	105 000	OCT	79.2
MAY	52 500	NOV	401
JUN	6 630	DEC	287

TOTAL DISCHARGE, 181 000 dam³

SOURIS RIVER NEAR MALBRITE - STATION NO 05AD017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0360	0.1490	20.5	0.589	0.625	0.482	0.018	0.011	0.010	---	1
2	---	---	0.0350	0.2010	16.0	0.586	0.630	0.453	0.028	0.010	0.011A	---	2
3	---	---	0.0340	0.2770	14.8	0.803	0.618	0.427	0.029	0.009	---	---	3
4	---	---	0.0340	0.5250	14.5	0.820	0.561	0.400	0.024	0.009	---	---	4
5	---	---	0.0340	0.6400	10.9	0.671	0.523	0.386	0.025	0.010	---	---	5
6	---	---	0.0340	0.7170	8.99	0.510	0.329	0.363	0.026	0.010	---	---	6
7	---	---	0.0340	1.71 B	9.56	0.507	0.282	0.328	0.026	0.012	---	---	7
8	---	---	0.0340	4.70 B	7.06	0.401	0.195	0.300	0.054	0.012	---	---	8
9	---	---	0.0340	10.4 B	6.37	0.209	0.095	0.264	0.081	0.012	---	---	9
10	---	---	0.0340	24.6 B	7.28	0.150	0.065	0.238	0.090	0.013	---	---	10
11	---	---	0.0340	30.2 B	4.08	0.105	0.070	0.207	0.045	0.012	---	---	11
12	---	---	0.0320	23.8	2.82	0.787	0.080	0.178	0.048	0.012	---	---	12
13	---	---	0.0330	22.1	2.84	0.780	0.260	0.138	0.048	0.011	---	---	13
14	---	---	0.0320	16.0	5.10	5.61	0.182	0.138	0.051	0.010	---	---	14
15	---	---	0.0320	14.7	3.85	0.87	0.140	0.115	0.068	0.012	---	---	15
16	---	---	0.0320	13.8	3.28	5.81	0.147	0.075	0.084	0.011	---	---	16
17	---	---	0.0320	11.6 A	3.53	4.25	0.142	0.073	0.114	0.011	---	---	17
18	---	---	0.0320	10.6 A	4.07	2.18	0.132	0.068	0.105	0.013	---	---	18
19	---	---	0.0320	14.8	4.26	1.43	0.122	0.063	0.088	0.014	---	---	19
20	---	---	0.0330	21.8	4.21	2.63	0.151	0.072	0.082	0.013	---	---	20
21	---	---	0.0360	27.2	3.86	2.02	0.261	0.068	0.084	0.011	---	---	21
22	---	---	0.0410	26.9	2.62	2.18	0.424	0.063	0.035	0.010	---	---	22
23	---	---	0.0470	19.1	2.86	1.47	0.479	0.048	0.020	0.011	---	---	23
24	---	---	0.0520	15.2	1.79	1.33	0.518	0.030	0.015	0.010	---	---	24
25	---	---	0.0560	17.5	1.43	1.10	0.540	0.030	0.000	0.010	---	---	25
26	---	---	0.0600	19.8	1.06	0.872	0.537	0.030	0.004	0.010	---	---	26
27	---	---	0.0630	21.2	1.06	0.686	0.538	0.027	0.016	0.005	---	---	27
28	---	0.036A	0.0670	21.6	0.915	0.758	0.530	0.022	0.021	0.005	---	---	28
29	---		0.0710	21.8	0.726	0.706	0.525	0.020	0.011	0.005	---	---	29
30	---		0.0760	21.7	0.612	0.610	0.500	0.020	0.011	0.005	0.015A	---	30
31	---		0.1060		0.804		0.491	0.023		0.005		---	31
TOTAL	---	---	1.339	451.429	180.886	48.161	10.777	5.261	1.221	0.330	---	---	TOTAL
MEAN	---	---	0.043	15.0	5.45	1.61	0.348	0.170	0.044	0.011	---	---	MEAN
MAX	---	---	0.106	33.8	20.5	5.81	0.630	0.482	0.114	0.014	---	---	MAX
MIN	---	---	0.032	0.149	0.804	0.150	0.070	0.023	0.004	0.005	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.81
MAXIMUM DAILY, 33.8 ON APR 12
MINIMUM DAILY, 0.004 ON SEP 26
MAXIMUM INSTANTANEOUS,
34.7 AT 08:30 CST ON APR 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 29 37 N
LONG 103 39 44 W
DRAINAGE AREA, 3 150 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	831
FEB	---	AUG	466
MAR	116	SEP	114
APR	39 000	OCT	30.9
MAY	14 000	NOV	---
JUN	4 180	DEC	---

TOTAL DISCHARGE, 88 400 dam³

SOURIS RIVER NEAR LENVAN - STATION NO. 05AD025

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR		MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	00	0	B	0.738	0.182	0.082	0.083	0	0	---	---	1
2	---	---	00	0	B	0.651	0.165	0.053	0.064	0	0	---	---	2
3	---	---	00	0	B	0.555	0.140	0.051	0.041	0	0	---	---	3
4	---	---	00	0	B	0.484	0.139	0.056	0.026	0	0	---	---	4
5	---	---	00	0	B	0.413	0.132	0.108	0.010	0	0	---	---	5
6	---	---	00	0	B	0.385	0.168	0.135	0.011	0	0	---	---	6
7	---	---	00	0	B	0.356	0.098	0.200	0.006	0	0	---	---	7
8	---	---	00	0	B	0.322	0.091	0.165	0	0	0	---	---	8
9	---	---	00	0	B	0.333	0.086	0.133	0	0	0	---	---	9
10	---	---	00	0	B	0.370	0.081	0.125	0	0	0	---	---	10
11	---	---	00	0	B	0.338	0.078	0.150	0	0	0	---	---	11
12	---	---	00	0	B	0.275	3.84	0.159	0	0	0	---	---	12
13	---	---	00	0	B	0.436	3.75	0.142	0	0	0	---	---	13
14	---	---	00	0	B	0.623	2.32	0.115	0	0	0	---	---	14
15	---	---	00	1.18	B	0.381	2.28	0.085	0	0	0	---	---	15
16	---	---	00	6.36	B	0.425	2.04	0.087	0	0	0	---	---	16
17	---	---	00	6.81		0.342	1.52	0.088	0	0	0	---	---	17
18	---	---	00	12.4		0.263	1.17	0.107	0	0	0	---	---	18
19	---	---	00	25.1		0.270	0.990	0.110	0	0	0	---	---	19
20	---	---	00	16.8		0.291	0.895	0.103	0	0	0	---	---	20
21	---	---	00	10.7		0.228	0.812	0.131	0	0	0	---	---	21
22	---	---	00	8.35		0.220	0.384	0.084	0	0	0	---	---	22
23	---	---	00	8.35		0.210	0.275	0.084	0	0	0	---	---	23
24	---	---	00	6.12		0.200	0.200	0.081	0	0	0	---	---	24
25	---	---	00	2.83		0.207	0.186	0.048	0	0	0	---	---	25
26	---	---	00	1.83		0.193	0.114	0.050	0	0	0	---	---	26
27	---	---	00	1.32		0.193	0.087	0.050	0	0	0	---	---	27
28	---	---	00	1.01		0.188	0.087	0.043	0	0	0	---	---	28
29	---		00	0.882		0.182	0.071	0.088	0	0	0	---	---	29
30	---		00	0.811		0.185	0.061	0.082	0	0	0	---	---	30
31	---		00			0.183		0.079	0		0		---	31
TOTAL	---	---	0	166.833		10.287	21.425	3.078	0.221	0	0	---	---	TOTAL
MEAN	---	---	0	3.56		0.332	0.714	0.099	0.007	0	0	---	---	MEAN
MAX	---	---	0	25.1		0.738	3.75	0.204	0.083	0	0	---	---	MAX
MIN	---	---	0	0		0.183	0.061	0.048	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.570
MAXIMUM DAILY, 25.1 ON APR 19
MINIMUM DAILY, 00 ON MAR 1
MAXIMUM INSTANTANEOUS,
27.6 AT 03:52 CST ON APR 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 58 37" N
LONG 104 04 33 W
DRAINAGE AREA, 580 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	266
FEB	---	AUG	19.1
MAR	0	SEP	0
APR	9 240	OCT	0
MAY	660	NOV	---
JUN	1 850	DEC	---

TOTAL DISCHARGE, 12 300 dam³

SOURIS RIVER NEAR MCTAGGART - STATION NO. 05AD030

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR		MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	00	0	B	14.7	0.185	0.205	0.884	0	0	---	---	1
2	---	---	00	0	B	13.1	0.131	0.672	0.880	0	0	---	---	2
3	---	---	00	0	B	11.1	0.120	0.687	0.874	0	0	---	---	3
4	---	---	00	0	B	9.15	0.144	0.282	0.842	0	0	---	---	4
5	---	---	00	0	B	7.82	0.148	0.237	0.898	0	0	---	---	5
6	---	---	00	0	B	6.23	0.151	0.295	0.827	0	0	---	---	6
7	---	---	00	0	B	4.84	0.136	0.230	0.687	0	0	---	---	7
8	---	---	00	0	B	3.78	0.122	0.223	0.484	0	0	---	---	8
9	---	---	00	0	B	2.86	0.123	0.189	0.351	0	0	---	---	9
10	---	---	00	0	B	2.32	0.101	0.181	0.295	0	0	---	---	10
11	---	---	00	0	1900	1.86	0.092	0.181	0.257	0	0	---	---	11
12	---	---	00	0	0852	1.56	0.45	0.142	0.225	0	0	---	---	12
13	---	---	00	0	4795	0.896	7.54	0.092	0.202	0	0	---	---	13
14	---	---	00	1.81	B	2.96	5.50	A 0.214	0.184	0	0	---	---	14
15	---	---	00	4.73	B	2.99	5.96	E 0.817	0.139	0	0	---	---	15
16	---	---	00	5.77	B	2.99	5.46	A 1.21	0.097	0	0	---	---	16
17	---	---	00	6.01	B	2.81	4.77	1.23	0.081	0	0	---	---	17
18	---	---	00	17.0	B	2.86	4.20	1.20	0.070	0	0	---	---	18
19	---	---	00	25.2		2.43	3.61	1.12	0.055	0	0	---	---	19
20	---	---	00	23.6		2.03	3.03	1.06	0.050	0	0	---	---	20
21	---	---	00	18.0		1.56	2.51	1.06	0.036	0	0	---	---	21
22	---	---	00	18.1		1.30	2.08	0.975	0.031	0	0	---	---	22
23	---	---	00	20.1		0.817	1.74	0.881	0.029	0	0	---	---	23
24	---	---	00	20.6		0.676	1.48	0.854	0.022	0	0	---	---	24
25	---	---	00	20.7		0.613	1.19	0.868	0.013	0	0	---	---	25
26	---	---	00	21.3		0.388	0.889	0.824	0.008	0	0	---	---	26
27	---	---	00	20.8		0.282	0.635	0.863	0.005	0	0	---	---	27
28	---	---	00	19.9		0.210	0.487	0.820	0.004	0	0	---	---	28
29	---		00	18.3		0.172	0.356	0.874	0.004	0	0	---	---	29
30	---		00	16.8		0.154	0.239	0.868	0.002	0	0	---	---	30
31	---		00			0.142		0.731	0.001		0		---	31
TOTAL	---	---	0	382.874		103.783	88.888	30.423	6.810	0	0	---	---	TOTAL
MEAN	---	---	0	9.43		3.35	1.80	0.888	0.220	0	0	---	---	MEAN
MAX	---	---	0	25.2		14.7	7.54	1.23	0.884	0	0	---	---	MAX
MIN	---	---	0	0		0.142	0.083	0.081	0.001	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.03
MAXIMUM DAILY, 25.2 ON APR 19
MINIMUM DAILY, 00 ON MAR 1
MAXIMUM INSTANTANEOUS,
26.6 AT 23:44 CST ON APR 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 46 10 N
LONG 104 00 56 W
DRAINAGE AREA, 2 030 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 780
FEB	---	AUG	566
MAR	0	SEP	0
APR	24 480	OCT	0
MAY	8 870	NOV	---
JUN	5 180	DEC	---

TOTAL DISCHARGE, 40 900 dam³

SOURIS RIVER NEAR ROCHE PERCEE - STATION NO. 05NB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	2.07 B	24.98	23.7	2.98	2.28	0.202	0.031	0.008	---	---	1
2	---	---	2.46 B	34.68	24.1	2.31	2.15	0.241	0.030	0.010	---	---	2
3	---	---	2.52 B	29.65	23.5	2.07	1.96	0.246	0.029	0.011	---	---	3
4	---	---	2.96 B	23.78	22.4	1.80	1.79	0.216	0.028	0.012	---	---	4
5	---	---	2.84 B	21.3	25.4	1.05	1.58	0.189	0.026	0.013	---	---	5
6	---	---	2.13 B	20.4	21.2	0.979	1.43	0.156	0.023	0.013	---	---	6
7	---	---	1.35 B	25.7	17.3	1.24	1.28	0.125	0.020	0.013	---	---	7
8	---	---	1.11 B	28.3	14.9	1.40	1.13	0.101	0.019	0.013	---	---	8
9	---	---	0.9308	27.4	13.1	0.606	1.21	0.088	0.018	0.020	---	---	9
10	---	---	0.6788	21.6	12.5	0.340	1.29	0.080	0.019	0.055	---	---	10
11	---	---	0.8448	20.8	11.8	0.501	1.10	0.072	0.018	0.158	---	---	11
12	---	---	2.38 B	24.3	10.4	0.393	1.04	0.063	0.022	0.135	---	---	12
13	---	---	3.45 B	29.5	10.5	0.325	0.648	0.047	0.021	0.078	---	---	13
14	---	---	2.85 B	38.4	11.0	0.214	0.557	0.044	0.018	0.058	---	---	14
15	---	---	2.41 B	44.1	9.74	0.178	0.782	0.060	0.018	0.182	---	---	15
16	---	---	2.44 B	46.4	8.59	0.148	0.804	0.052	0.017	0.155	---	---	16
17	---	---	2.64 B	46.9	8.07	0.108	0.606	0.040	0.015	0.105	---	---	17
18	---	---	2.30 B	47.0	7.81	0.071	0.416	0.035	0.014	0.073	---	---	18
19	---	---	2.01 B	45.8	7.46	0.077	0.380	0.034	0.012	0.055	---	---	19
20	---	---	1.84 B	41.8	7.03	0.088	0.456	0.033	0.011	0.051	---	---	20
21	---	---	1.27 B	37.5	6.13	0.103	0.842	0.033	0.010	0.048	---	---	21
22	---	---	0.9048	29.2	5.84	0.175	0.838	0.034	0.009	0.047	---	---	22
23	---	---	0.7058	25.4	5.50	0.473	1.03	0.033	0.009	0.043	---	---	23
24	---	---	0.8228	26.3	5.38	0.583	0.893	0.032	0.008	0.041	---	---	24
25	---	---	2.38 B	31.2	5.20	1.31	0.716	0.038	0.008	0.041	---	---	25
26	---	---	4.38 B	35.2	5.79	1.52	0.648	0.039	0.007	0.037	---	---	26
27	---	---	3.78 B	33.5	5.05	1.85	0.588	0.039	0.007	0.035	---	---	27
28	---	---	4.14 B	31.6	4.43	1.67	0.457	0.036	0.007	0.034	---	---	28
29	---		5.39 B	30.7	3.88	1.94	0.385	0.038	0.007	0.033	---	---	29
30	---		13.2 B	26.3	3.33	2.14	0.308	0.035	0.009	0.032	---	---	30
31	---		17.3 B		3.03		0.242	0.033		0.030A		---	31
TOTAL	---	---	99.791	948.0	344.85	27.933	28.472	2.502	0.494	1.885	---	---	TOTAL
MEAN	---	---	3.22	31.6	11.1	0.931	0.951	0.081	0.016	0.054	---	---	MEAN
MAX	---	---	17.3	47.0	26.4	2.58	2.28	0.246	0.031	0.182	---	---	MAX
MIN	---	---	0.676	20.4	3.03	0.078	0.242	0.032	0.007	0.008	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.94
MAXIMUM DAILY, 47.0 ON APR 15
MINIMUM DAILY, 0.007 ON SEP 26
MAXIMUM INSTANTANEOUS,
47.2 AT 17:45 CST ON APR 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 04 34 N
LONG 102 45 53 W
DRAINAGE AREA, 12 800 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 550
FEB	---	AUG	216
MAR	5 620	SEP	42.7
APR	81 900	OCT	146
MAY	29 600	NOV	---
JUN	2 410	DEC	---

TOTAL DISCHARGE, 128 000 dam³

SOURIS RIVER NEAR SHERWOOD - STATION NO 05NB007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.1588	0.1138	3.118	25.18	28.8	7.18	3.04	0.784	0.078	0.037	0.057	0.1708	1
2	0.1788	0.1138	3.118	30.68	28.2	6.28	3.26	0.793	0.074	0.040	0.064	0.1478	2
3	0.1788	0.1138	3.118	31.18	28.7	5.72	2.24	0.736	0.068	0.040	0.065	0.1588	3
4	0.1788	0.1138	3.118	31.48	26.6	5.15	2.41	0.651	0.062	0.034	0.071	0.1418	4
5	0.1788	0.1138	3.118	32.68	24.6	4.53	2.35	0.586	0.057	0.031	0.067	0.1308	5
6	0.1708	0.1138	3.268	28.68	22.6	4.18	2.24	0.481	0.051	0.031	0.065	0.1228	6
7	0.1708	0.1138	3.118	28.68	33.0	3.85	2.10	0.424	0.045	0.034	0.071	0.1188	7
8	0.1708	0.1138	3.268	28.68	31.4	3.54	1.85	0.396	0.040	0.040	0.062	0.1068	8
9	0.1708	0.1138	3.888	28.68	26.3	3.26	1.84	0.368	0.040	0.045	0.062	0.0988	9
10	0.1708	0.1138	3.408	41.18	25.9	3.20	1.85	0.340	0.040	0.051	0.062	0.0838	10
11	0.1848	0.1138	3.408	41.88	23.2	3.14	2.12	0.311	0.040	0.051	0.059	0.0988	11
12	0.1848	0.1138	2.838	36.5	21.6	3.00	2.28	0.283	0.045	0.048	0.057	0.0988	12
13	0.1848	0.1428	3.118	32.6	21.3	2.46	1.80	0.258	0.051	0.048	0.057	0.1038	13
14	0.1688	0.1848	3.408	30.3	20.6	2.23	1.61	0.241	0.057	0.051	0.057	0.1088	14
15	0.1428	0.1848	3.688	31.4	19.1	2.12	1.44	0.255	0.057	0.054	0.059	0.1138	15
16	0.1278	0.2138	4.538	34.8	18.9	1.95	1.30	0.228	0.057	0.057	0.057	0.1138	16
17	0.1278	0.2638	5.388	27.9	18.7	1.84	1.19	0.198	0.054	0.049	0.068	0.1168	17
18	0.1138	0.2638	4.538	41.1	17.0	1.67	1.08	0.178	0.054	0.051	0.059	0.1108	18
19	0.1138	0.1848	3.688	41.8	15.5	1.61	1.10	0.158	0.051	0.057	0.057	0.1088	19
20	0.1138	0.1708	3.118	43.8	14.9	1.53	0.991	0.150	0.048	0.051	0.059	0.1088	20
21	0.1138	0.1708	3.118	48.8	14.0	1.44	1.12	0.183	0.048	0.049	0.057	0.1108	21
22	0.1138	0.2638	2.838	55.8	13.5	1.44	1.18	0.167	0.045	0.042	0.057	0.1088	22
23	0.1138	0.5888	2.838	53.2	12.7	1.36	1.02	0.178	0.042	0.042	0.3988	0.0838	23
24	0.1138	0.7088	2.558	44.7	11.5	1.30	0.878	0.187	0.042	0.042	0.5108	0.0838	24
25	0.1138	0.7088	2.558	36.5	10.6	1.27	0.784	0.158	0.040	0.042	0.7858	0.0888	25
26	0.1138	0.8508	2.558	30.0	10.0	1.18	0.708	0.181	0.037	0.045	0.5888	0.0818	26
27	0.1138	2.27 B	3.118	30.0	9.71	1.13	0.705	0.142	0.034	0.051	0.3868	0.0838	27
28	0.1138	3.11 B	4.538	32.3	10.1	1.27	0.850	0.122	0.028	0.062	0.2118	0.0838	28
29	0.1138		7.938	36.5	9.71	1.55	0.732	0.110	0.026	0.062	0.2568	0.0838	29
30	0.1138		16.8 B	39.4	8.78	1.83	0.580	0.088	0.034	0.066	0.2038	0.0918	30
31	0.1138		22.7 B		7.80		0.851	0.085		0.059		0.0918	31
TOTAL	4.320	11.883	140.20	1 120.3	641.37	82.33	45.886	8.268	1.448	1.486	4.814	3.413	TOTAL
MEAN	0.139	0.417	4.52	37.3	20.7	2.74	1.47	0.300	0.048	0.048	0.180	0.110	MEAN
MAX	0.178	3.11	22.7	55.8	28.8	7.18	3.26	0.793	0.078	0.062	0.705	0.170	MAX
MIN	0.113	0.113	2.55	28.1	7.80	1.13	0.851	0.085	0.026	0.031	0.054	0.081	MIN

SUMMARY FOR THE YEAR 1983

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.06
MAXIMUM DAILY, 55.8 ON APR 22
MINIMUM DAILY, 0.026 ON SEP 26
MAXIMUM INSTANTANEOUS,
56.1 AT 10:00 CST ON APR 23

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 59 24 N
LONG 101 57 26 W
DRAINAGE AREA, 23 400 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	373	JUL	3 850
FEB	1 010	AUG	802
MAR	13 100	SEP	126
APR	55 800	OCT	138
MAY	55 400	NOV	416
JUN	7 110	DEC	288

TOTAL DISCHARGE, 170 000 dam³

SOUTH SASKATCHEWAN RIVER AT SASKATOON - STATION NO. 05HG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2988	3088	2578	1908	150	73.7	64.3	71.9A	128 A	178	125	222	1
2	3008	3208	2538	1558	118	67.2	62.6	59.6A	130 A	198	123	203	2
3	3058	3388	2808	1188	148	65.8	74.3	72.1A	143 A	193	132	190	3
4	3158	3608	2988	1008	158	68.4	69.4	76.3A	133 A	178	128	188	4
5	3368	3778	2528	1028	170	68.2	68.9	66.8A	123 A	203	128	203	5
6	3488	3568	2608	1008	123	58.6	76.0	60.6A	112 A	193	136	229	6
7	3428	3458	2548	1088	108	61.6	75.6	76.3A	108 A	187	183	238	7
8	3488	3408	2408	120	100	72.0	67.1	57.3A	112	203	208	225	8
9	3458	3488	2158	128	93.9	68.2	65.1	61.2A	102	135	175	181	9
10	3338	3488	2208	113	98.9	61.6	76.6	71.6A	118	120	132	188	10
11	3288	3498	2108	103	147	71.3	78.8	88.9A	85.4	178	134	231	11
12	3208	3508	1608	108	158	75.6	83.6	84.3A	102	141	144	187	12
13	3228	3528	1888	131	188	67.8	70.0	88.3A	98.4	151	132	218	13
14	3488	3508	1588	184	202	63.4	74.3	89.0A	93.1	134	128	225	14
15	3528	3488	1808	180	195	74.7	71.8A	71.6A	97.4	128	127	221	15
16	3558	3408	2108	184	183	70.5	73.7A	59.9A	101	120	135	217	16
17	3608	3558	2088	151	151	60.4	75.7A	63.9A	88.1	117	141	238	17
18	3628	3488	2108	151	144	70.6	80.8A	87.5A	103	120	183	252	18
19	3428	3588	2008	157	120	69.8	80.2A	73.4A	103	125	172	224	19
20	3408	3058	1808	181	120	61.7	75.9A	102 A	93.2	119	135	288	20
21	3388	3228	1828	158	117	57.6	83.3	117 A	104	120	134	287	21
22	3358	2858	2028	145	132	70.7	81.2	110 A	100	128	141	284	22
23	3128	2488	1888	144	120	65.5	78.1A	100 A	101	126	142	267	23
24	3068	2508	1948	147	114	71.4	76.2A	118 A	108	124	128	273	24
25	3108	2588	2008	118	112	77.3	71.2A	128 A	130	128	72.8	2808	25
26	3228	2588	2108	114	114	77.9	82.6A	104 A	128	134	64.2	2858	26
27	3408	2588	2408	144	108	83.3	85.2A	88.3A	120	128	71.4	2488	27
28	3808	2598	2628	148	82.6	83.5	88.7A	83.8A	127	120	80.9	2308	28
29	3788		2368	158	73.3	78.4	83.8	78.7A	138	123	160	2458	28
30	3258		2258	180	67.0	88.7	84.3	84.5A	147	120	208	2458	30
31	3108		2188		63.7		88.9A	102 A		119		2388	31
TOTAL	10 335	9 021	6 735	4 102	3 953.4	2 042.6	2 211.3	2 582.9	3 396.6	4 484	4 080.3	7 203	TOTAL
MEAN	333	322	217	137	128	68.1	71.3	83.3	113	145	136	232	MEAN
MAX	378	377	298	198	202	77.9	88.4	128	147	203	208	287	MAX
MIN	288	248	158	100	63.7	57.6	60.2	57.3	93.1	117	64.2	181	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 185
MAXIMUM DAILY, 3788 ON JAN 29
MINIMUM DAILY, 57.3A ON AUG 8

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 08 26 N
LONG 106 38 40 W
DRAINAGE AREA, 141 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	893 000	JUL	191 000
FEB	778 000	AUG	223 000
MAR	582 000	SEP	293 000
APR	354 000	OCT	387 000
MAY	342 000	NOV	353 000
JUN	176 000	DEC	622 560

TOTAL DISCHARGE, 5 200 000 dam³

SOUTH SASKATCHEWAN RIVER AT ST. LOUIS - STATION NO. 05HH001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2718	2888	2458	284 B	138	65.2	61.6	64.4	76.5	151	118	2368	1
2	2868	2818	2368	256 B	143	63.5	73.3	72.3	103	178	127	2038	2
3	3078	3008	2308	218 B	107	72.0	76.6	76.6	122	208	118	2018	3
4	3238	3108	2338	177 B	118	66.1	71.5	63.5	131	207	130	1838	4
5	3368	3218	2868	144 B	135	68.1	81.1	71.3	138	192	127	1918	5
6	3618	3228	2538	108 B	153	66.8	88.6	78.0	128	208	125	1788	6
7	3678	3068	2378	87.9B	118	68.0	72.3	64.0	123	205	128	1888	7
8	3628	2748	2388	108 B	98.7	56.3	78.1	67.0	106	188	160	2068	8
9	3488	2808	2238	107 B	87.5	61.0	76.8	85.7	106	207	194	2208	9
10	3438	2998	2248	100 B	85.3	68.8	89.0	88.1	128	174	203	2448	10
11	3438	3048	2068	103 B	90.1	63.8	86.8	86.9	127	123	140	1898	11
12	3388	3188	2138	87.5B	112	58.2	78.8	74.6	118	158	131	1888	12
13	2868	3118	2108	108 B	148	67.2	78.9	77.2	103	166	142	2078	13
14	2708	3068	1858	108 B	149	74.3	84.3	81.7	108	183	134	1778	14
15	3518	3148	1588	119 B	185	64.8	85.4	88.8	103	144	128	1948	15
16	3488	3178	1538	148 B	185	60.1	71.8	80.0	101	140	125	2058	16
17	3378	3268	1498	161 B	172	68.8	85.8	73.5	110	128	136	2028	17
18	3288	3238	1878	160 B	145	86.5	83.3	84.8	109	120	131	2008	18
19	3128	3078	2048	169 B	135	58.1	82.7	88.4	104	125	148	2388	19
20	2488	3038	1908	180 B	117	67.8	81.7	83.4	104	128	170	2298	20
21	3338	2838	1548	171 B	118	88.7	83.6	78.3	105	128	148 B	2248	21
22	3528	2708	1738	150 B	105	62.3	76.8	110	88.5	124	123 B	2568	22
23	3518	2668	1618	131 B	125	58.8	84.2	122	109	130	112 B	2688	23
24	3288	2618	1838	116 B	120	72.8	80.5	111	108	127	117 B	2568	24
25	2868	2178	1618	133	112	88.8	78.3	107	108	128	108 B	2388	25
26	2598	2058	1288	118	108	101	73.1	123	118	127	87.2B	2718	26
27	2428	2288	1878	100	108	82.5	71.8	132	134	132	91.4B	2648	27
28	2898	2428	2158	118	108	80.3	81.8	97.8	122	135	86.7B	2278	28
29	3178		2508	128	97.3	86.8	89.0	84.1	128	122	88.8B	2178	29
30	3478		2628	137	78.0	87.2	78.1	80.3	133	124	97.8B	2008	30
31	3238		2648		71.0		87.7	74.5		121		1928	31
TOTAL	9 932	8 106	6 370	4 209.4	3 788.8	2 034.6	2 244.1	2 800.5	3 403.0	4 702	3 872.1	6 712	TOTAL
MEAN	320	290	205	140	122	67.8	72.4	83.8	113	152	128	217	MEAN
MAX	367	328	266	284	185	101	88.6	132	138	208	203	271	MAX
MIN	242	206	139	87.5	71.0	58.3	81.7	58.8	76.5	120	88.7	177	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 159
MAXIMUM DAILY, 3678 ON JAN 7
MINIMUM DAILY, 58.3 ON JUN 8
MAXIMUM INSTANTANEOUS,
3918 AT 11:30 CST ON JAN 7

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 55 25 N
LONG 106 48 30 W
DRAINAGE AREA, 148 000 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	858 000	JUL	194 000
FEB	700 000	AUG	225 000
MAR	550 000	SEP	284 000
APR	364 000	OCT	406 000
MAY	326 000	NOV	335 000
JUN	176 000	DEC	585 888

TOTAL DISCHARGE, 5 010 000 dam³

SOUTH SASKATCHEWAN RIVER BELOW GARDINER DAM - STATION NO. 05HF004

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	1.800	---	---	1.230	0.855	0.820A	0.892A	---	1.220	1.139	1.504	1
2	---	1.814	---	---	1.223	0.868	0.845	0.885	---	1.036	1.075	1.489	2
3	---	1.844	---	---	1.318	0.842	0.784A	0.804A	---	1.285	1.104	1.508	3
4	---	1.820	---	---	1.085	0.769	0.898	0.960A	---	1.411	1.110	1.507	4
5	---	1.777	---	---	1.080	0.828	0.871	0.884	---	1.267	1.326	1.493	5
6	---	1.787	---	---	1.015	0.885	0.804A	0.748A	---	1.176	1.351	1.472	6
7	---	1.781	---	---	1.068	0.874	0.798A	0.798A	---	1.264	1.426	1.532	7
8	---	1.788	---	---	1.003	0.794	0.838A	0.885A	---	1.114	1.089	1.510	8
9	---	1.785	1.483A	---	1.140	0.922	0.827	0.845A	---	1.342	1.107	1.544	9
10	---	1.784	1.431A	---	1.257	0.931	0.782A	0.934	---	0.939	1.162	1.578	10
11	---	1.785	1.367A	---	1.259	0.831	0.841A	1.003	---	0.889	1.075	1.644	11
12	1.762	1.788	1.332A	---	1.373	0.834	0.854	0.915	---	1.130	1.084	1.589	12
13	1.828	1.795	1.344A	---	1.322	0.930	0.831	0.802A	---	1.188	1.077	1.561	13
14	1.809	1.791	1.454A	1.227	1.305	0.857	0.790A	0.778A	---	1.110	1.171	1.578	14
15	1.822	1.833	1.457A	1.216	1.171	0.815	0.831	0.870A	---	1.024	1.109	1.640	15
16	1.822	1.805	1.493A	1.195	1.181	0.917	0.778A	0.771A	---	0.787	1.183	---	16
17	1.851A	1.823	1.497	1.150	1.039	0.861	0.779A	0.873A	---	0.789	1.287	---	17
18	1.874A	1.786	1.435A	1.220	1.114	0.842	0.868A	0.983	---	0.876	1.152	---	18
19	1.786	1.728	1.391A	1.220	1.007	0.839	0.854A	1.016	---	1.073	1.113	---	19
20	1.780	1.898	1.356A	1.189	1.179	0.924	0.817A	1.000	---	1.114	1.171	---	20
21	1.776	1.886	1.477A	1.157	1.073	0.866	0.823A	0.933	---	1.103	1.199	---	21
22	1.721	1.882	1.386A	1.216	1.056	0.855	0.884A	1.081	---	1.078	1.103	---	22
23	1.711	---	1.475	1.106	1.049	0.872	0.808A	1.060	---	1.117	1.112	---	23
24	1.766	---	1.453A	1.054	1.072	0.836	0.776A	0.917	---	1.154	1.135	---	24
25	1.787	---	1.505A	1.192	1.034	0.835A	0.890	0.873	---	1.119	1.085	---	25
26	1.848A	---	---	1.196	0.888	0.811A	0.850	0.864	---	1.062	1.215	---	26
27	1.900A	---	---	1.257	0.882	0.850A	0.801A	0.827	---	1.116	1.352	---	27
28	1.852	---	---	1.232	0.813	0.825A	0.817A	---	---	1.082	1.415	---	28
29	1.740		---	1.233	0.789	0.800A	0.835A	---	0.988	1.007	1.471	---	29
30	1.723		---	1.058	0.922	0.772A	0.830A	---	1.070	1.131	1.496	---	30
31	1.774		---		0.842		0.730A	---		1.088		---	31
MEAN	---	---	---	---	1.089	0.858	0.822	---	---	1.104	1.197	---	MEAN
MAX	---	---	---	---	1.373	0.990	0.895	---	---	1.411	1.496	---	MAX
MIN	---	---	---	---	0.789	0.769	0.730	---	---	0.757	1.075	---	MIN

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 19 20 N
LONG 106 57 19 W

A - MANUAL GAUGE

REGULATED SINCE 1964

DRAINAGE AREA,
136 000 km²

WATER LEVELS ARE REFERRED TO ASSUMED DATUM
APPLY 496.824 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

SPANGLER DITCH NEAR GOVENLOCK - STATION NO. 11AB060

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	1.30	0	0	1.04	0	0	0	---	1
2	---	---	0	0	1.04	0	0	1.04	0	0	0	---	2
3	---	---	0	0	0.841	0	0	1.04	0	0	---	---	3
4	---	---	0	0	0.854	0	0	1.06	0	0	---	---	4
5	---	---	0	0	0.862	0	0	1.07	0	0	---	---	5
6	---	---	0	0	0.738	0	0	0.837	0	0	---	---	6
7	---	---	0	0	0.271	0	0	0.023	0	0	---	---	7
8	---	---	0	0	0	0	0	0	0	0	---	---	8
9	---	---	0	0	0	0	0	0	0	0	---	---	9
10	---	---	0	0	0	0.060	0	0	0	0	---	---	10
11	---	---	0	0	0	1.09	0.011	0	0	0	---	---	11
12	---	---	0	0	0	1.14	0	0	0	0	---	---	12
13	---	---	0	0	0	1.16	0	0	0	0	---	---	13
14	---	---	0	0	0	1.19	0	0	0	0	---	---	14
15	---	---	0	0	0	1.21	0	0	0	0	---	---	15
16	---	---	0	0	0	1.22	0	0	0	0	---	---	16
17	---	---	0	0	0	1.24	0	0	0	0	---	---	17
18	---	---	0	0	0	1.19	0	0	0	0	---	---	18
19	---	---	0	0	0	0.850	0	0	0	0	---	---	19
20	---	---	0	0	0	0.892	0	0	0	0	---	---	20
21	---	---	0	0	0	0.316	0	0	0	0	---	---	21
22	---	---	0	0	0	0.214	0	0	0	0	---	---	22
23	---	---	0	0	0	0.094	0	0	0	0	---	---	23
24	---	---	0	0.007	0	0	0	0	0	0	---	---	24
25	---	---	0	1.15	0	0	0	0	0	0	---	---	25
26	---	---	0	0.838	0	0	0.580	0	0	0	---	---	26
27	---	---	0	1.31	0	0	1.04	0	0	0	---	---	27
28	---	---	0	1.31	0	0	1.05	0	0	0	---	---	28
29	---		0	1.31	0	0	1.05	0	0	0	---	---	29
30	---		0	1.31	0	0	1.06	0	0	0	---	---	30
31	---		0		0		1.04	0		0		---	31
TOTAL	---	---	0	7.335	5.906	11.526	5.831	6.110	0	0	---	---	TOTAL
MEAN	---	---	0	0.245	0.191	0.384	0.188	0.197	0	0	---	---	MEAN
MAX	---	---	0	1.31	1.30	1.24	1.06	1.07	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.150
MAXIMUM DAILY, 1.31 ON APR 27
MINIMUM DAILY, 0 ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 09 18 N
LONG 109 54 53 W

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	504
FEB	---	AUG	528
MAR	0	SEP	0
APR	634	OCT	0
MAY	510	NOV	---
JUN	996	DEC	---

TOTAL DISCHARGE, 3 170 dam³

SPIRIT CREEK NEAR BUCHANAN - STATION NO. 05MB007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0 B	0.891	0.012	0	0.008	0.004	0	0	---	1
2	---	---	0 B	0 B	0.748	0.030	0	0.002	0.003	0	0	---	2
3	---	---	0 B	0 B	0.787	0.034	0	0.001	0.002	0	---	---	3
4	---	---	0 B	0 B	0.682	0.035	0	0	0.001	0	---	---	4
5	---	---	0 B	0 B	0.618	0.019	0	0	0.002	0	---	---	5
6	---	---	0 B	0 B	0.423	0.016	0	0	0.002	0	---	---	6
7	---	---	0 B	0 B	0.370	0.013	0.001	0	0.002	0	---	---	7
8	---	---	0 B	0 B	0.280	0.015	0	0	0.001	0	---	---	8
9	---	---	0 B	0 B	0.250	0.013	0	0	0	0	---	---	9
10	---	---	0 B	0 B	0.221	0.012	0.001	0	0	0	---	---	10
11	---	---	0 B	0 B	0.286	0.011	0.037	0	0	0	---	---	11
12	---	---	0 B	0 B	0.248	0.012	0.033	0	0	0	---	---	12
13	---	---	0 B	0 B	0.287	0.117	0.036	0.009	0	0	---	---	13
14	---	---	0 B	0 B	0.362	0.107	0.034	0.003	0	0	---	---	14
15	---	---	0 B	0 B	0.452	0.053	0.036	0.001	0	0	---	---	15
16	---	---	0 B	0 B	0.411	0.034	0.016	0.001	0	0	---	---	16
17	---	---	0 B	0 B	0.407	0.027	0.010	0.001	0	0	---	---	17
18	---	---	0 B	0 B	0.343	0.015	0.004	0.001	0	0	---	---	18
19	---	---	0 B	0.018 B	0.318	0.011	0.002	0	0	0	---	---	19
20	---	---	0 B	0.197 B	0.243	0.007	0.001	0	0	0	---	---	20
21	---	---	0 B	4.15 B	0.212	0.002	0.001	0	0	0	---	---	21
22	---	---	0 B	8.85 B	0.188	0.001	0.001	0	0	0	---	---	22
23	---	0 B	0 B	13.0 B	0.155	0.001	0.001	0	0	0	---	---	23
24	---	0 B	0 B	10.1	0.124	0.001	0.001	0	0	0	---	---	24
25	---	0 B	0 B	6.70	0.088	0	0	0.020	0	0	---	---	25
26	---	0 B	0 B	4.37	0.072	0	0.064	0.006	0	0	---	---	26
27	---	0 B	0 B	2.85	0.052	0	0.134	0.014	0	0	---	---	27
28	---	0 B	0 B	1.74	0.032	0	0.043	0.006	0	0	---	---	28
29	---		0 B	1.31	0.017	0	0.063	0.005	0 A	0	---	---	29
30	---		0 B	1.03	0.011	0	0.130	0.007	0	0	---	---	30
31	---		0 B		0.010		0.025	0.005		0		---	31
TOTAL	---	---	0	54.218	6.732	0.598	0.637	0.081	0.017	0	---	---	TOTAL
MEAN	---	---	0	1.81	0.217	0.020	0.021	0.003	0.001	0	---	---	MEAN
MAX	---	---	0	13.0	0.891	0.117	0.134	0.020	0.004	0	---	---	MAX
MIN	---	---	0	0	0.010	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.287
MAXIMUM DAILY, 13.0B ON APR 23
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
16.0B AT 01:24 CST ON APR 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 42 36 N
LONG 102 46 21 W
DRAINAGE AREA, 250 km^2
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	55.0
FEB	---	AUG	7.00
MAR	0	SEP	1.47
APR	4 680	OCT	0
MAY	580	NOV	---
JUN	50.8	DEC	---

TOTAL DISCHARGE, 5 370 dam^3

SPRUCE RIVER BELOW ANGLIN LAKE RESERVOIR - STATION NO. 05GC007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.232	0.318	0.336	2.31	4.15	0.226	0.280	0.478	0.267	0.487	0.237	0.350	1
2	0.231	0.320	0.340	2.24	4.12	0.320	0.366	0.462	0.270	0.489	0.231	0.349	2
3	0.232	0.323	0.361	2.19	4.07	0.316	0.404	0.445	0.262	0.486	0.234	0.362	3
4	0.233	0.328	0.354	2.13	4.03	0.315	0.463	0.423	0.261	0.532	0.236	0.358	4
5	0.234	0.330	0.364	2.06	3.98	0.315	0.716	0.377	0.269	0.526	0.238	0.356	5
6	0.237	0.332	0.371	2.02	3.86	0.318	0.822	0.371	0.264	0.514	0.244	0.366	6
7	0.238	0.328	0.370	1.16	3.38	0.316	0.828	0.327	0.246	0.507	0.261	0.362	7
8	0.243	0.312	0.367	0.181	3.34	0.319	0.804	0.331	0.150	0.489	0.265	0.364	8
9	0.245	0.311	0.371	0.086	3.33	0.320	0.805	0.341	0.218	0.480	0.260	0.363	9
10	0.255	0.308	0.387	0.076	3.31	0.324	0.803	0.343	0.269	0.479	0.266	0.365	10
11	0.256	0.312	0.387	0.083	3.30	0.333	0.836	0.333	0.280	0.470	0.267	0.370	11
12	0.260	0.316	0.384	0.086	3.21	0.339	0.830	0.324	0.289	0.461	0.269	0.372	12
13	0.263	0.318	0.371	0.138	3.22	0.301	0.833	0.314	0.310	0.464	0.271	0.372	13
14	0.264	0.317	0.380	0.232	3.13	0.303	0.816	0.302	0.326	0.441	0.276	0.371	14
15	0.270	0.318	0.403	0.276	3.04	0.306	0.805	0.294	0.334	0.435	0.278	0.374	15
16	0.268	0.321	0.404	0.314	2.93	0.304	0.786	0.282	0.337	0.416	0.285	0.374	16
17	0.273	0.321	0.386	0.383	2.89	0.284	0.734	0.261	0.384	0.413	0.280	0.380	17
18	0.276	0.324	0.386	0.422	2.86	0.214	0.713	0.273	0.363	0.404	0.284	0.363E	18
19	0.276	0.323	0.386	0.505	2.09	0.226	0.745	0.263	0.341	0.383	0.301	0.375E	19
20	0.278	0.328	0.383	0.690	1.46	0.201	0.780	0.246	0.339	0.373	0.311	0.380E	20
21	0.281	0.327	0.383	0.858	1.83	0.214	0.789	0.246	0.365	0.382	0.317	0.380E	21
22	0.287	0.330	0.384	1.27	1.83	0.227	0.734	0.254	0.368	0.362	0.324	0.372E	22
23	0.288	0.331	0.382	1.65	1.83	0.216	0.712	0.248	0.410	0.350	0.324	0.370E	23
24	0.301	0.338	0.384	2.02	1.47	0.207	0.697	0.244	0.535	0.344	0.328	0.370A	24
25	0.300	0.333	1.39	2.38	1.04	0.242	0.663	0.228	0.520	0.327	0.330	0.364	25
26	0.303	0.337	2.78	2.73	0.334	0.243	0.643	0.218	0.631	0.228	0.336	0.370	26
27	0.304	0.342	2.66	3.11	0.354	0.253	0.506	0.213	0.631	0.231	0.336	0.371E	27
28	0.313	0.336	2.57	3.56	0.353	0.259	0.486	0.218	0.630	0.202	0.341	0.362E	28
29	0.317		2.49	3.81	0.350	0.265	0.488	0.225	0.600	0.234	0.342	0.344A	29
30	0.321		2.44	4.15	0.330	0.253	0.489	0.229	0.484	0.228	0.346	0.348	30
31	0.319		2.39		0.333		0.485	0.228		0.227		0.348	31
TOTAL	8.405	9.071	25.754	43.405	75.663	8.287	21.407	9.366	10.478	12.621	8.610	11.312	TOTAL
MEAN	0.271	0.324	0.831	1.45	2.44	0.280	0.691	0.302	0.349	0.407	0.287	0.365	MEAN
MAX	0.321	0.342	2.78	4.15	4.15	0.339	0.836	0.478	0.631	0.532	0.346	0.383	MAX
MIN	0.231	0.308	0.336	0.076	0.330	0.201	0.280	0.213	0.150	0.224	0.231	0.344	MIN

SUMMARY FOR THE YEAR 1983

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.670
MAXIMUM DAILY, 4.15 ON APR 30
MINIMUM DAILY, 0.076 ON APR 10
MAXIMUM INSTANTANEOUS,
4.27 AT 15:03 CST ON APR 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 36 50 N
LONG 106 05 30 W
DRAINAGE AREA, 570 km^2
A - MANUAL GAUGE

E - ESTIMATED
REGULATED SINCE 1962

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	726	JUL	1 850
FEB	784	AUG	809
MAR	2 230	SEP	905
APR	3 750	OCT	1 090
MAY	6 530	NOV	745
JUN	736	DEC	977

TOTAL DISCHARGE, 21 100 dam^3

SPRUCE RIVER DIVERSION TO EMMA LAKE - STATION NO 08SB009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0	0	0	0	---	---	1
2	---	---	0	0	0	0	0	0	0	0	---	---	2
3	---	---	0	0	0	0	0	0	0	0	---	---	3
4	---	---	0	0	0	0	0	0	0	0	---	---	4
5	---	---	0	0	0	0	0	0	0	0	---	---	5
6	---	---	0	0	0	0	0	0	0	0	---	---	6
7	---	---	0	0	0	0	0	0	0	0	---	---	7
8	---	---	0	0	0	0	0	0	0	0	---	---	8
9	---	---	0	0	0	0	0	0	0	0	---	---	9
10	---	---	0	0	0	0	0	0	0	0	---	---	10
11	---	---	0	0	0	0	0	0	0	0	---	---	11
12	---	---	0	0	0	0	0	0	0	0	---	---	12
13	---	---	0	0	0	0	0	0	0	0	---	---	13
14	---	---	0	0	0	0	0	0	0	0	---	---	14
15	---	---	0	0	0	0	0	0	0	0	---	---	15
16	---	---	0	0	0	0	0	0	0	0	---	---	16
17	---	---	0	0	0	0	0	0	0	0	---	---	17
18	---	---	0	0	0	0	0	0	0	0	---	---	18
19	---	---	0	0	0	0	0	0	0	0	---	---	19
20	---	---	0	0	0	0	0	0	0	0	---	---	20
21	---	---	0	0	0	0	0	0	0	0	---	---	21
22	---	---	0	0	0	0	0	0	0	0	---	---	22
23	---	---	0	0	0	0	0	0	0	0	---	---	23
24	---	---	0	0	0	0	0	0	0	0	---	---	24
25	---	---	0	0	0	0	0	0	0	0	---	---	25
26	---	---	0	0	0	0	0	0	0	0	---	---	26
27	---	---	0	0	0	0	0	0	0	0	---	---	27
28	---	---	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0		---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	0	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0 ON MAR 1
MINIMUM DAILY, 0 ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 40 30 N
LONG 104 00 00 W

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 0 dam³

SQUAW COULEE NEAR WILLOW CREEK - STATION NO 11AB103

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0.001	0	0	0	---	---	1
2	---	---	0	0	0	0	0.002	0	0	0	---	---	2
3	---	---	0	0	0	0	0.001	0	0	0	---	---	3
4	---	---	0	0	0	0	0	0	0	0	---	---	4
5	---	---	0	0	0	0	0	0	0	0	---	---	5
6	---	---	0	0	0	0	0	0	0	0	---	---	6
7	---	---	0	0	0	0	0	0	0	0	---	---	7
8	---	---	0	0	0	0	0	0	0	0	---	---	8
9	---	---	0	0	0	0	0	0	0	0	---	---	9
10	---	---	0	0	0	0	0	0	0	0	---	---	10
11	---	---	0	0	0	0	0.002	0	0	0	---	---	11
12	---	---	0	0	0	0	0.001	0	0	0	---	---	12
13	---	---	0	0	0	0	0	0	0	0	---	---	13
14	---	---	0	0	0	0	0	0	0	0	---	---	14
15	---	---	0	0	0	0	0	0	0	0	---	---	15
16	---	---	0	0	0	0	0	0	0	0	---	---	16
17	---	---	0	0	0	0	0	0	0	0	---	---	17
18	---	---	0	0	0	0	0	0	0	0	---	---	18
19	---	---	0	0	0	0	0	0	0	0	---	---	19
20	---	---	0	0	0	0.121	0	0	0	0	---	---	20
21	---	---	0	0	0	0.120	0	0	0	0	---	---	21
22	---	---	0	0	0	0.087	0	0	0	0	---	---	22
23	---	---	0	0	0	0.043	0	0	0	0	---	---	23
24	---	0	0	0	0	0.043	0	0	0	0	---	---	24
25	---	0	0	0	0	0.036	0	0	0	0	---	---	25
26	---	0	0	0	0	0.025	0	0	0	0	---	---	26
27	---	0	0	0	0	0.013	0	0	0	0	---	---	27
28	---	0	0	0	0	0.008	0	0	0	0	---	---	28
29	---		0	0	0	0.005	0	0	0	0	---	---	29
30	---		0	0	0	0.002	0	0	0	0		---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	0	0	0	0.683	0.007	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0	0.010	0	0	0	0	---	---	MEAN
MAX	---	---	0	0	0	0.121	0.002	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.003
MAXIMUM DAILY, 0.121 ON JUN 20
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.197 AT 12:30 CST ON JUN 20

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 02 11 N
LONG 109 48 23 W
DRAINAGE AREA, 192 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.99
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	41.9	DEC	---

TOTAL DISCHARGE, 42.3 dam³

STONY CREEK NEAR GARAGE - STATION NO. 02HC010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0038	0.0120	2.30	0.270	0.304	0.017	0.001	0	0.0010	---	1
2	---	---	0.0039	0.0120	1.93	0.305	0.300	0.016	0.001	0	---	---	2
3	---	---	0.0040	0.0120	1.50	0.271	0.334	0.027	0	0	---	---	3
4	---	---	0.0040	0.0120	1.34	0.250	0.322	0.032	0.010	0	---	---	4
5	---	---	0.0403	0.0120	1.00	0.212	0.269	0.026	0.005	0	---	---	5
6	---	---	0.0003	0.0120	0.800	0.257	0.230	0.010	0.003	0	---	---	6
7	---	---	0.0042	0.0120	0.652	0.105	0.122	0.070	0.001	0	---	---	7
8	---	---	0.0050	0.0140	0.599	0.216	0.063	0.173	0.001	0	---	---	8
9	---	---	0.0403	0.1260	0.652	0.200	0.103	0.010	0.001	0.013	---	---	9
10	---	---	0.0070	0.0770	0.874	0.231	0.034	0.007	0.001	0.032	---	---	10
11	---	---	0.0003	0.0280	0.570	0.004	0.403	0.000	0.002	0	---	---	11
12	---	---	0.0100	0.0230	0.472	0.003	0.071	0.000	0.010	0	---	---	12
13	---	---	0.0123	0.0210	0.420	0.401	0.001	0.000	0.007	0	---	---	13
14	---	---	0.0143	0.0300	0.051	0.200	0.075	0.000	0.001	0.001	---	---	14
15	---	---	0.0160	0.0100	0.013	0.204	0.402	0.004	0	0	---	---	15
16	---	---	0.0140	0.0230	0.013	0.103	0.001	0.003	0	0	---	---	16
17	---	---	0.0120	0.0230	0.004	0.000	0.035	0.003	0	0.003	---	---	17
18	---	---	0.0120	0.0230	0.000	0.000	0.570	0.003	0	0	---	---	18
19	---	---	0.0110	0.2460	0.007	0.010	0.000	0.003	0	0	---	---	19
20	---	---	0.0100	0.7300	0.000	0.030	0.330	0.003	0	0	---	---	20
21	---	---	0.0120	1.20 0	0.010	0.010	0.210	0.003	0	0	---	---	21
22	---	0.0000	0.0120	3.20 0	0.022	0.000	0.272	0.207	0	0	---	---	22
23	---	0.0000	0.0100	7.31 0	0.024	0.000	0.275	0.224	0	0.072	---	---	23
24	---	0.0000	0.0000	11 0	0.7700	0.000	0.240	0.070	0	0.010	---	---	24
25	---	0.0000	0.0000	12 0	0.0027	0.730	0.210	0.000	0	0.001	---	---	25
26	---	0.0030	0.0000	11 0	0.0102	0.020	0.170	0.000	0	0.001	---	---	26
27	---	0.0020	0.0000	0.03	0.0410	0.370	0.000	0.004	0	0.001	---	---	27
28	---	0.0020	0.0000	0.00	0.0722	0.127	0.000	0.004	0	0.001	---	---	28
29	---		0.0000	3.27	0.0132	0.000	0.000	0.002	0	0.001	---	---	29
30	---		0.0100	2 76	0.3040	0.000	0.020	0.002	0	0.001	---	---	30
31	---		0.0110		0.3050		0.027	0.001		0.001		---	31
TOTAL	---	---	0.214	70 111	23.009	0.300	0.007	1.000	0.005	0.133	---	---	TOTAL
MEAN	---	---	0.010	2.34	0.770	0.210	0.213	0.034	0.003	0.004	---	---	MEAN
MAX	---	---	0.005	12 0	3.30	0.730	0.000	0.257	0.010	0.072	---	---	MAX
MIN	---	---	0.003	0.012	0.300	0.000	0.027	0.001	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.455
MAXIMUM DAILY, 12 0 00 APR 26
MINIMUM DAILY, 0 00 SEP 3
MAXIMUM INSTANTANEOUS,
12 9 AT 10:30 CST 00 APR 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 23 10 0
LONG 101 00 10 W
DRAINAGE AREA, 005 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	039
FEB	---	AUG	03.2
MAR	27.1	SEP	1.30
APR 0	000	OCT	11 5
MAY 3	000	NOV	---
JUN	040	DEC	---

TOTAL DISCHARGE, 0 049 dam³

STONY CREEK NEAR STREAM - STATION NO. 02HC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	00	0 0	7.03	0 200	0 005	0 010	0	0	---	---	1
2	---	---	00	0 0	6.04	0 304	0 003	0 005	0	0	---	---	2
3	---	---	00	0 0	5.23	0 204	0 004	0 020	0	0	---	---	3
4	---	---	00	0 0	5.03	0 253	0 002	0 023	0	0	---	---	4
5	---	---	00	0 0	4.03	0 239	0 A	0 023	0	0	---	---	5
6	---	---	00	0 0	3.43	0 210	0 0	0 010	0	0	---	---	6
7	---	---	00	0 0	3.02	0 172	0 0	0 000	0	0	---	---	7
8	---	---	00	0 0	3.10	0 103	0 0002	0 004	0	0	---	---	8
9	---	---	00	0 0	3.03	0 103	0 0212	0 005	0	0	---	---	9
10	---	---	00	0 0	2.37	0 101	0 0302	0 003	0	0	---	---	10
11	---	---	00	0 0	2.10	0 100	0 0502	0 002	0	0	---	---	11
12	---	---	00	0 0	1.00	0 107	0 0402	0 001	0	0	---	---	12
13	---	---	00	0 0	1.03	0 105	0 0402	0 001	0	0	---	---	13
14	---	---	00	0 0	1.00	0 172	0 0431	0	0	0	---	---	14
15	---	---	00	0 0	1.44	0 177	0 0442	0	0	0	---	---	15
16	---	---	00	0 0	1.34	0 173	0 0202	0	0	0	---	---	16
17	---	---	00	0 0	1.20	0 207	0 0110	0	0	0	---	---	17
18	---	---	00	0 0	1.21	0 104	0 0032	0	0	0	---	---	18
19	---	---	00	0 0	1.10	0 140	0 A	0	0	0	---	---	19
20	---	---	00	0 0	1.00	0 133	0	0	0	0	---	---	20
21	---	---	00	0 0	1.05	0 107	0	0	0	0	---	---	21
22	---	---	00	0 0100	1.04	0 102	0	0	0	0	---	---	22
23	---	---	00	0 1470	0 903	0 117	0	0	0	0	---	---	23
24	---	---	00	0 7100	0 803	0 110	0	0	0	0	---	---	24
25	---	---	00	3 00	0 770	0 100	0	0	0	0	---	---	25
26	---	---	00	0 23	0 000	0 070	0 033	0	0	0	---	---	26
27	---	---	00	0 23	0 003	0 004	0 014	0	0	0	---	---	27
28	---	---	00	0 20	0 003	0 004	0 017	0	00	0	---	---	28
29	---		00	0 00	0 439	0 010	0 005	0	0	0	---	---	29
30	---		00	0 00	0 201	0 000	0 000	0	0	0	---	---	30
31	---		00		0 330		0 031	0		0		---	31
TOTAL	---	---	0	40 970	00 300	0 000	0 000	0 100	0	0	---	---	TOTAL
MEAN	---	---	0	1 07	2 04	0 103	0 010	0 003	0	0	---	---	MEAN
MAX	---	---	0	0 33	7 03	0 304	0 000	0 030	0	0	---	---	MAX
MIN	---	---	0	0	0 330	0 000	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.007
MAXIMUM DAILY, 0.33 00 APR 27
MINIMUM DAILY, 00 00 MAR 1
MAXIMUM INSTANTANEOUS,
0.01 AT 00:03 CST 00 APR 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 03 00 0
LONG 100 10 40 W
DRAINAGE AREA, 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	03.0
FEB	---	AUG	10.3
MAR	0	SEP	0
APR 4	000	OCT	0
MAY 0	000	NOV	---
JUN	000	DEC	---

TOTAL DISCHARGE, 10 000 dam³

STURGEON LAKE NEAR PRINCE ALBERT - STATION NO. 05GF003

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	7.930	7.931	7.838	7.644	---	---	---	1
2	---	---	---	---	---	7.931	7.951	7.832	7.642	---	---	---	2
3	---	---	---	---	---	7.931	7.955	7.818	7.640	---	---	---	3
4	---	---	---	---	---	7.931	7.953	7.812	7.639	---	---	---	4
5	---	---	---	---	---	7.930	7.951	7.811	7.640	---	---	---	5
6	---	---	---	---	---	7.927	7.950	7.807	7.640	---	---	---	6
7	---	---	---	---	---	7.918	7.946	7.801	7.642	---	---	---	7
8	---	---	---	---	---	7.913	7.943	7.793	7.640	---	---	---	8
9	---	---	---	---	---	7.900	7.940	7.780	7.639	---	---	---	9
10	---	---	---	---	---	7.901	7.932	7.773	7.639	---	---	---	10
11	---	---	---	---	---	7.894	7.930	7.763	7.639	---	---	---	11
12	---	---	---	---	---	7.881	7.926	7.750	7.637	---	---	---	12
13	---	---	---	---	---	7.870	7.921	7.736	7.638	---	---	---	13
14	---	---	---	---	---	7.871	7.902	7.723	7.639	---	---	---	14
15	---	---	---	---	---	7.870	7.908	7.713	7.634	---	---	---	15
16	---	---	---	---	---	7.860	7.903	7.704	7.639	---	---	---	16
17	---	---	---	---	---	7.867	7.902	7.703	---	---	---	---	17
18	---	---	---	---	---	7.864	7.902	7.693	---	---	---	---	18
19	---	---	---	---	---	7.863	7.899	7.693	---	---	---	---	19
20	---	---	---	---	---	7.863	7.896	7.673	---	---	---	---	20
21	---	---	---	---	---	7.862	7.896	7.671	---	---	---	---	21
22	---	---	---	---	---	7.861	7.872	7.660	---	---	---	---	22
23	---	---	---	---	---	7.860	7.870	7.660	---	---	---	---	23
24	---	---	---	---	---	7.860	7.860	7.660	---	---	---	---	24
25	---	---	---	---	---	7.867	7.860	7.660	---	---	---	---	25
26	---	---	---	---	---	7.872	7.856	7.658	---	7.636	---	---	26
27	---	---	---	---	---	7.871	7.846	7.656	---	---	---	---	27
28	---	---	---	---	---	7.872	7.843	7.655	---	---	---	---	28
29	---		---	---	---	7.900	7.830	7.653	---	---	---	---	29
30	---		---	---	---	7.901	7.835	7.650	---	---	---	---	30
31	---		---		7.930		7.832	7.647		---		---	31
MEAN	---	---	---	---	---	7.889	7.901	7.734	---	---	---	---	MEAN
MAX	---	---	---	---	---	7.931	7.956	7.838	---	---	---	---	MAX
MIN	---	---	---	---	---	7.860	7.830	7.647	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MAXIMUM DAILY, 7.955 ON JUL 3

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 25 21 N
LONG 106 09 12 W
DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

STURGEON RIVER NEAR PRINCE ALBERT - STATION NO. 05GF002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.660B	0.660B	23.0	3.42	1.81	0.810	0.320	0.218	0.186	---	1
2	---	---	0.660B	0.910B	21.4	3.30	1.90	0.791	0.324	0.206	0.187	---	2
3	---	---	0.660B	0.970B	18.5	3.16	2.05	0.755	0.343	0.192	0.180	---	3
4	---	---	0.660B	1.03 B	16.6	3.07	1.96	0.684	0.360	0.185	0.186A	---	4
5	---	---	0.660B	1.00 B	15.6	2.97	1.93	0.640	0.383	0.187	---	---	5
6	---	---	0.660B	1.10 B	15.3	2.87	1.80	0.616	0.420	0.187	---	---	6
7	---	---	0.660B	1.22 B	14.0	2.56	1.88	0.607	0.400	0.177	---	---	7
8	---	---	0.660B	1.32 B	13.0	2.46	1.70	0.570	0.380	0.174	---	---	8
9	---	---	0.660B	1.42 B	12.3	2.40	1.77	0.561	0.320	0.172	---	---	9
10	---	---	0.660B	1.56 B	11.8	2.26	1.76	0.573	0.361	0.163	---	---	10
11	---	---	0.660B	1.72 B	10.6	2.22	1.70	0.518	0.371	0.170	---	---	11
12	---	---	0.660B	1.88 B	10.5	2.13	1.63	0.476	0.332	0.166	---	---	12
13	---	---	0.660B	2.05 B	10.2	2.06	1.50	0.476	0.320	0.160	---	---	13
14	---	---	0.660B	2.25 B	9.60	1.95	1.41	0.440	0.281	0.163	---	---	14
15	---	---	0.700B	2.45 B	9.03	1.85	1.33	0.431	0.283	0.161	---	---	15
16	---	---	0.700B	2.65 B	8.53	1.76	1.16	0.420	0.301	0.161	---	---	16
17	---	---	0.700B	3.00 B	8.05	1.64	1.10	0.440	0.302	0.173	---	---	17
18	---	---	0.700B	3.45 B	7.64	1.50	1.06	0.486	0.301	0.158	---	---	18
19	---	---	0.710B	4.00 B	7.05	1.46	1.02	0.480	0.312	0.148	---	---	19
20	---	---	0.710B	5.24 B	6.60	1.44	1.00	0.473	0.280	0.138	---	---	20
21	---	---	0.710B	8.40 B	6.37	1.60	1.30	0.443	0.238	0.141	---	---	21
22	---	---	0.720B	14.2 A	6.03	1.67	1.25	0.381	0.207	0.153	---	---	22
23	---	---	0.720B	24.7	5.70	1.61	1.10	0.340	0.183	0.153	---	---	23
24	---	---	0.720B	28.5	5.50	1.60	1.11	0.322	0.180	0.143	---	---	24
25	---	---	0.720B	30.6	5.25	1.71	1.13	0.380	0.205	0.143	---	---	25
26	---	---	0.720B	30.0	5.04	1.77	1.06	0.377	0.285	0.134	---	---	26
27	---	---	0.740B	30.0	4.60	1.87	0.946	0.326	0.190	0.136	---	---	27
28	---	---	0.760B	28.1	4.54	1.68	0.884	0.360	0.181	0.151	---	---	28
29	---		0.770B	26.2	4.23	1.63	0.843	0.380	0.185	0.167	---	---	29
30	---		0.780B	24.8	3.90	1.61	0.914	0.322	0.216	0.163	---	---	30
31	---		0.820B		3.61		0.872	0.360		0.158		---	31
TOTAL	---	---	22.040	291.890	295.96	63.30	40.701	15.120	8.522	5.083	---	---	TOTAL
MEAN	---	---	0.711	9.73	9.54	2.11	1.30	0.460	0.284	0.164	---	---	MEAN
MAX	---	---	0.820	30.6	23.0	3.42	2.05	0.810	0.420	0.218	---	---	MAX
MIN	---	---	0.660	0.660	3.61	1.44	0.872	0.380	0.181	0.134	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.60
MAXIMUM DAILY, 30.6 ON APR 25
MINIMUM DAILY, 0.134 ON OCT 26
MAXIMUM INSTANTANEOUS,
30.8 AT 13:10 CST ON APR 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 12 47 N
LONG 105 53 06 W
DRAINAGE AREA, 5 140 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	3 500
FEB	---	AUG	1 310
MAR	1 910	SEP	763
APR	25 200	OCT	440
MAY	25 600	NOV	---
JUN	5 460	DEC	---

TOTAL DISCHARGE, 63 400 dam³

STURGEON-WEIR RIVER AT LEAF RAPIDS - STATION NO. 05AB007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	33.3E	33.5	30.6	30.5	34.3	46.3	85.2	110	90.7	107	93.1	80.8	1
2	33.3E	33.3	30.6	30.3	34.5	47.2	85.0	111	90.6	107	91.4	80.3	2
3	33.3E	33.2	30.6	30.3	35.2	47.8	87.0	110	93.9	106	90.6	79.8	3
4	33.3E	33.1	30.5	30.1	35.6	46.0	87.0	110	94.7	106	90.3	79.5	4
5	33.3E	33.0	30.5	30.1	36.0	46.9	86.9	110	94.9	105	89.9	79.0	5
6	33.3E	33.0	30.5	30.0	36.9	46.7	87.6	108	94.9	105	89.3	78.7	6
7	33.3A	31.9	30.7	27.9	36.9	46.1	87.6	108	93.9	104	89.9	78.5	7
8	33.4	31.6	30.6	27.9	35.9	46.9	87.7	106	91.5	104	89.3	78.4	8
9	33.4	31.7	30.4	27.8	36.2	46.3	87.9	106	91.3	103	89.3	78.3	9
10	33.3	31.7	30.3	27.7	36.9	51.0	88.3	107	93.4	103	89.8	77.8	10
11	33.1	31.8	30.3	28.0	37.0	51.8	88.9	107	93.4	103	88.7	77.3	11
12	33.1	31.7	30.1	28.0	37.5	52.7	89.0	106	93.4	103	88.1	77.0	12
13	33.1	31.7	30.1	27.9	36.1	56.5	88.7	106	93.8	103	87.7	76.6	13
14	33.0	31.6	30.0	27.8	38.3	58.1	89.4	104	91.8	102	87.3	76.5	14
15	33.0	31.8	30.0	27.9	36.9	61.1	92.4	104	90.9	102	86.7	76.0	15
16	32.9	31.4	29.8	27.8	36.6	63.3	94.9	103	93.0E	101	86.1	75.8	16
17	32.9	31.3	29.7	27.7	38.2	64.8	96.8	103	99.9E	101	85.8	75.3	17
18	32.7	31.2	29.7	27.6	39.6	65.7	101	102	105 E	100	86.0	75.2	18
19	32.6	31.1	29.5	27.6	40.1	66.4	103	102	108	99.7	86.1	74.3	19
20	32.6	31.1	29.3	28.0	40.8	66.9	103	99.8	111	99.0	86.1	73.9	20
21	32.6	31.1	29.1	28.2	42.0	67.6	104	98.8	112	98.2	86.2	73.8	21
22	32.7	31.1	28.0	28.4	42.6	68.5	105	97.8	112	97.3	85.5	73.4	22
23	32.8	31.1	28.0	28.8	43.0	69.1	106	97.2	112	97.2	84.6	73.1	23
24	32.7	31.1	28.9	29.8	43.2	69.8	107	96.6	112	96.8	84.1	73.0	24
25	32.6	31.0	28.0	30.0	43.2	72.8	107	96.0	111	96.3	83.5	72.9	25
26	32.5	31.0	28.6	32.5	43.9	77.6	108	95.2	111	95.5	83.1	73.0	26
27	32.5	30.6	28.8	33.3	44.8	80.1	108	94.2	111	95.1	82.6	73.7	27
28	32.5	30.7	28.7	33.5	46.3	82.3	108	93.3	110	94.7	82.1	73.2	28
29	32.6		28.7	33.7	46.1	83.6	108	93.6	108	93.9	81.7	71.8	29
30	32.5		28.6	33.8	46.2	84.7	110	91.8	108	93.6	80.6	71.4	30
31	32.5		28.6		46.5		110	91.4		93.6		70.7	31
TOTAL	1 029.5	883.6	939.9	872.0	1 237.7	1 840.2	3 002.6	3 172.0	3 013.7	3 116.4	2 807.1	2 340.4	TOTAL
MEAN	33.2	31.6	30.7	28.1	39.5	61.6	96.9	102	100	101	88.9	75.7	MEAN
MAX	33.4	33.5	30.7	33.8	46.5	84.7	110	111	112	107	93.1	80.8	MAX
MIN	32.5	30.7	28.6	27.8	34.3	46.3	85.2	91.4	90.6	93.6	80.6	70.7	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 95.8
MAXIMUM DAILY, 112 ON SEP 21
MINIMUM DAILY, 27.6 ON APR 18
MAXIMUM INSTANTANEOUS,
112 AT 17:04 CST ON SEP 21

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 49 40 N
LONG 102 38 00 W
DRAINAGE AREA, 12 000 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	88 800	JUL 260 000	
FEB	78 300	AUG 274 000	
MAR	78 000	SEP 260 000	
APR	78 300	OCT 269 000	
MAY	106 000	NOV 235 000	
JUN	159 000	DEC 203 000	

TOTAL DISCHARGE, 2 000 000 dam³

STURGEON-WEIR RIVER AT OUTLET OF AMISK LAKE - STATION NO 05AB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	38.3	40.7	40.1	38.6	41.0	51.0	70.4	93.5	86.7	106	106	101	1
2	38.5	40.6	40.8	38.7	40.9	53.0	71.7	94.3	86.3	110	106	97.3	2
3	38.3	40.6	40.3	38.5	41.8	54.3	72.6	93.0	100	110	105	96.3	3
4	38.5	38.7	41.0	38.4	42.5	54.8	72.7	93.0	100	110	105	95.7	4
5	38.5	38.6	40.6	38.5	42.8	54.4	73.4	93.6	104	113	104	94.3	5
6	38.5	40.3	40.7	38.7	42.0	54.6	75.4	93.0	102	110	105	95.6	6
7	38.6	38.7	40.8	38.6	42.3	54.6	76.3	97.0	100	108	104	94.6	7
8	38.6	38.8	40.7	38.6	42.0	54.6	76.3	96.6	100	108	107	93.8	8
9	40.1	38.6	41.0	38.7	43.3	54.1	76.6	95.6	98.7	108	104	93.3	9
10	38.8	40.3	41.0	38.1	44.0	54.8	77.1	96.7	108	112	106	93.4	10
11	38.3	40.6	41.0	40.4	44.1	56.3	76.0	97.6	104	112	104	93.6	11
12	38.6	40.6	41.2	38.6	44.5	56.0	77.6	96.7	104	108	104	94.0	12
13	40.2	40.7	40.8	38.6	45.1	56.3	77.8	97.0	104	112	105	93.6	13
14	38.8	41.1	40.6	38.8	45.0	56.6	80.3	96.1	104	111	105	93.6	14
15	40.2	41.1	40.6	38.6	46.6	56.8	83.0	96.6	103	110	103	93.3	15
16	40.6	40.8	40.6	38.2	46.5	58.0	83.8	94.3	101	110	102	91.4	16
17	40.1	38.8	38.6	38.6	46.7	58.4	84.6	94.0	101	112	103	90.6	17
18	40.2	40.6	38.6	38.6	47.0	58.6	85.3	94.8	110	110	104	90.6	18
19	40.2	40.6	38.6	38.6	47.4	58.4	86.9	97.1	108	108	104	88.6	19
20	40.7	40.6	40.0	38.6	48.3	58.7	86.6	93.6	107	110	104	88.8	20
21	40.7	40.8	40.1	40.1	48.8	61.4	83.0	96.6	108	111	104	88.8	21
22	40.4	40.8	40.0	40.0	48.0	62.2	82.7	96.0	108	113	103	88.4	22
23	40.5	40.7	39.8	39.2	48.4	63.6	81.0	97.6	107	113	103	87.6	23
24	40.3	40.8	40.0	39.3	48.1	64.2	81.3	96.6	108	113	106	86.9	24
25	39.6	40.6	39.6	39.3	48.4	66.6	80.4	96.6	110	111	104	87.6	25
26	40.0	40.8	39.1	39.6	50.6	66.8	80.8	97.6	111	111	103	88.2	26
27	40.2	40.2	39.4	39.6	51.3	67.6	80.4	97.0	112	112	103	87.7	27
28	40.5	40.1	39.5	40.0	51.8	70.1	80.2	100	112	108	104	87.3	28
29	40.3		39.7	40.3	50.9	70.2	80.1	101	108	108	102	87.0	29
30	40.8		39.8	40.3	51.7	70.7	81.3	100	108	107	101	87.1	30
31	41.0		39.7		52.3		82.6	97.2		107		86.6	31
TOTAL	1 239.0	1 131.0	1 248.2	1 189.5	1 438.4	1 790.6	2 561.4	2 989.8	3 143.7	3 430	3 136	2 839.3	TOTAL
MEAN	40.0	40.4	40.3	38.7	46.4	59.7	82.3	96.4	105	110	101	91.6	MEAN
MAX	41.0	41.1	41.2	40.4	52.3	70.7	86.9	101	112	114	106	101	MAX
MIN	38.3	38.7	38.1	38.6	48.0	51.0	70.4	93.0	98.3	107	101	86.6	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 91.6
MAXIMUM DAILY, 114 ON OCT 15
MINIMUM DAILY, 38.3 ON JAN 1
MAXIMUM INSTANTANEOUS,
114 AT 09:56 CST ON SEP 16

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 35 30 N
LONG 102 10 30 W
DRAINAGE AREA, 15 000 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	107 000	JUL 220 000	
FEB	97 700	AUG 260 000	
MAR	108 000	SEP 272 000	
APR	103 000	OCT 285 000	
MAY	134 000	NOV 271 000	
JUN	180 000	DEC 260 000	

TOTAL DISCHARGE, 2 300 000 dam³

SWAN RIVER NEAR NORQUAY - STATION NO. 05LE006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.6280	0.4300	0.4610	0.4040	22.0	8.90E	4.00E	8.61	0.785	2.48	1.83	2.06 B	1
2	0.6260	0.4640	0.4310	0.5840	21.2	8.80E	5.30E	8.02	0.716	2.13	1.82	1.99 B	2
3	0.6270	0.4800	0.4280	0.5740	20.4	8.20E	7.00E	7.16	0.685	2.00	1.86	2.02 B	3
4	0.6360	0.4700	0.4640	0.5800	20.1	8.00E	12.0 E	6.26	0.615	2.03	1.96	2.00 B	4
5	0.6290	0.4840	0.4400	0.4850	19.0	7.70E	26.2 A	5.67	0.603	2.11	1.95	2.11 B	5
6	0.6300	0.4800	0.4800	0.4840	17.8	7.40E	26.2	5.06	0.746	2.23	2.04	2.10 B	6
7	0.5260	0.4610	0.4800	0.4860	16.7	7.00E	25.7	4.42	0.670	2.33	2.11	2.07 B	7
8	0.5600	0.5100	0.4500	0.4150	15.6	6.70E	24.2	3.78	1.16	2.44	2.22	2.08 B	8
9	0.6330	0.4640	0.4700	0.3740	14.3	6.80E	21.5	3.26	1.62	2.35	2.44	2.05 B	9
10	0.6700	0.4620	0.5120	0.2610	16.1	6.40E	18.8	2.93	1.37	2.32	2.45	1.98 B	10
11	0.6600	0.5200	0.5100	0.2700	17.5	6.40E	17.7	2.84	1.73	2.31	2.42	2.02 B	11
12	0.5600	0.5610	0.5100	0.4920	18.2	6.50E	17.3	2.22	2.70	2.28	2.80	2.08 B	12
13	0.6520	0.5400	0.5200	0.7110	19.1	6.80E	16.8	2.40	2.75	2.20	2.53	2.00 B	13
14	0.6600	0.5360	0.5000	0.7060	19.7	6.50E	15.7	2.16	2.48	2.37	2.80	1.82 B	14
15	0.6420	0.5100	0.5720	0.6710	19.9	6.80E	16.0	1.93	2.28	2.27	2.43	1.70 B	15
16	0.6070	0.4620	0.5820	0.6070	18.1	6.40E	14.7	1.87	2.05	2.18	2.42	1.60 B	16
17	0.5610	0.4800	0.5800	1.31 B	18.2	6.20E	14.8	1.42	1.79	2.16	2.53	1.37 B	17
18	0.4650	0.4200	0.5440	1.20 B	17.7	6.00E	14.6	1.20	1.65	2.11	2.42	1.19 B	18
19	0.4190	0.3840	0.5000	0.8010	17.9	5.70E	14.1	1.12	1.69	1.85	2.43	1.01 B	19
20	0.4310	0.3100	0.6210	0.7040	18.4	5.60E	13.0	1.02	2.00	2.00	2.43	0.7020	20
21	0.4000	0.3020	0.5800	1.42 B	18.3	5.30E	12.0	0.977	3.04	1.94	2.140	0.6000	21
22	0.4870	0.4310	0.5420	6.16 B	17.8	5.10E	11.4	0.865	4.32	1.87	2.350	0.6130	22
23	0.4830	0.4040	0.4820	22.1 B	18.0	4.90E	10.5	0.789	4.84	1.80	1.870	0.5740	23
24	0.5170	0.4300	0.5040	46.4 B	17.2	4.80E	9.55	0.773	4.40	1.82	2.020	0.5340	24
25	0.5560	0.4340	0.5250	55.8	16.1	4.70E	8.90	0.611	4.00	1.72	2.250	0.5630	25
26	0.4740	0.4620	0.5550	43.9	15.2	4.60E	13.1	0.732	3.05	1.90	2.170	0.6580	26
27	0.3780	0.4620	0.5400	34.9	13.9	4.50E	12.3	0.866	3.16	1.64	2.160	0.6170	27
28	0.4270	0.4060	0.5300	30.8	12.1	4.40E	10.8	1.10	3.03	1.83	2.270	0.6300	28
29	0.4840		0.4750	25.0	10.7	4.30E	9.84	1.05	2.57	1.80	2.270	0.7400	29
30	0.4670		0.4600	23.8	9.81	4.40E	8.51	0.951	2.34	1.81	2.150	0.7710	30
31	0.4000		0.4600		9.15A		8.19	0.873		1.86		0.6000	31
TOTAL	17.052	13.040	15.840	304.180	527.06	184.70	446.32	83.930	65.300	62.57	67.38	43.775	TOTAL
MEAN	0.550	0.466	0.511	10.1	17.0	6.16	14.6	2.67	2.18	2.02	2.25	1.41	MEAN
MAX	0.680	0.561	0.621	55.8	22.0	8.90	26.7	8.61	4.84	2.48	2.80	2.11	MAX
MIN	0.378	0.310	0.428	0.261	9.15	4.30	4.00	0.732	0.603	1.64	1.82	0.534	MIN

SUMMARY FOR THE YEAR 1983

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.02
MAXIMUM DAILY, 55.8 ON APR 25
MINIMUM DAILY, 0.3100 ON FEB 20
MAXIMUM INSTANTANEOUS,
59.7 AT 04:12 CST ON APR 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 58 52 N
LONG 102 04 38 W
DRAINAGE AREA, 1 830 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 470	JUL	38 600
FEB	1 120	AUG	7 150
MAR	1 370	SEP	5 650
APR	26 300	OCT	5 410
MAY	45 500	NOV	5 820
JUN	16 000	DEC	3 760

TOTAL DISCHARGE, 158 000 dam³

SWIFT CURRENT CANAL AT SWIFT CURRENT - STATION NO. 05HD034

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.36	0.273	2.12	0.238	1.31	0.184	0	---	---	1
2	---	---	0 B	1.51	0.271	2.10	0.301	0.480	0.152	0	---	---	2
3	---	---	0 B	1.22	0.286	2.12	0.302	0.170	0.125	0.047	---	---	3
4	---	---	0 B	0.712	0.286	2.13	0.276	0.140	0.116	0	---	---	4
5	---	---	0 B	0.4720	0.286	2.14	0.305	0.124	0.083	0	---	---	5
6	---	---	0 B	0.1580	0.244	2.13	0.461	0.110	0.084	0	---	---	6
7	---	---	0 B	0.1540	0.266	2.08	0.458	0.102	0.116	0	---	---	7
8	---	---	0 B	0 B	0.193	2.07	0.414	0.102	0.226	0	---	---	8
9	---	---	0 B	0	0.186	2.08	0.408	0.104	0.234	0	---	---	9
10	---	---	0 B	0	0.189	2.06	0.527	0.106	0.226	0	---	---	10
11	---	---	0 B	0	0.206	2.05	0.565	0.112	0.222	0	---	---	11
12	---	---	0 B	0	0.207	2.10	0.621	0.202	0.216	0	---	---	12
13	---	---	0 B	0	0.186	2.11	0.700	0.190	0.211	0	---	---	13
14	---	---	0 B	0	0.201	1.62	1.12	0.176	0.193	0	---	---	14
15	---	---	0 B	0	0.196	0.586	2.23	0.187	0.200	0	---	---	15
16	---	---	0 B	0	0.168	0.307	2.36	0.187	0.180	0	---	---	16
17	---	---	0 B	0	0.164	0.252	2.34	0.120	0.176	0	---	---	17
18	---	---	0 B	0	0.160	0.216	2.30	0.082	0.182	0	---	---	18
19	---	---	0 B	0	0.144	0.186	2.15	0.150	0.206	0	---	---	19
20	---	---	0 B	0	0.127	0.280	2.13	0.230	0.221	0	---	---	20
21	---	---	0 B	0	0.127	0.276	2.11	0.230	0.211	0	---	---	21
22	---	---	0 B	0	0.126	0.273	2.10	0.190	0.186	0	---	---	22
23	---	---	0 B	0	0.128	0.224	2.06	0.110	0.182	0	---	---	23
24	---	---	0 B	0	0.123	0.224	2.08	0.110	0.176	0	---	---	24
25	---	---	0 B	0.000	0.116	0.230	2.07	0.130	0.186	0	---	---	25
26	---	---	0 B	0.307	0.321	0.230	2.06	0.271	0.157	0	---	---	26
27	---	---	0 B	0.286	2.30	0.330	2.08	0.201	0.144	0	---	---	27
28	---	---	0.1000	0.226	2.22	0.224	2.08	0.266	0.141	0	---	---	28
29	---		0.2000	0.224	2.22	0.213	1.98	0.248	0.141	0	---	---	29
30	---		0.6000	0.216	2.21	0.218	1.77	0.206	0.086	0	---	---	30
31	---		1.30		2.14		1.50	0.205		0		---	31
TOTAL	---	---	2.360	7.112	16.162	34.005	42.198	6.564	5.263	0.047	---	---	TOTAL
MEAN	---	---	0.076	0.237	0.522	1.14	1.35	0.212	0.172	0.002	---	---	MEAN
MAX	---	---	1.36	1.51	2.30	2.14	2.36	1.31	0.234	0.047	---	---	MAX
MIN	---	---	0	0	0.116	0.186	0.238	0.082	0.083	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.485
MAXIMUM DAILY, 2.30 ON MAY 27
MINIMUM DAILY, 00 ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 16 03 N
LONG 107 46 42 W

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 640
FEB	---	AUG	567
MAR	204	SEP	450
APR	614	OCT	4.06
MAY	1 400	NOV	---
JUN	2 940	DEC	---

TOTAL DISCHARGE, 9 820 dam³

SWIFT CURRENT CREEK BELOW MAIN LAKE - STATION NO. 05AD041

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.837	0.783	0.783	0.384	3.93	2.94	1.35	2.06	0.251	0.080	0.783	0.894	1
2	0.829	0.788	0.773	0.377	3.84	2.93	1.33	2.23	0.208	0.080	0.784	0.886	2
3	0.886	0.788	0.784	0.361	3.87	2.92	1.33	2.21	0.234	0.080	0.787	0.896	3
4	0.882	0.787	0.787	0.836	1.76	2.88	1.36	2.23	0.234	0.830	0.736	0.883	4
5	0.871	0.810	0.788	0.872	0.788	2.87	1.36	2.36	0.207	0.880	0.736	0.887	5
6	0.874	0.883	0.781	0.872	0.788	2.83	1.40	2.31	0.238	0.881	0.718	0.883	6
7	0.889	0.788	0.783	0.883	0.885	2.84	1.30	2.27	0.232	0.878	0.738	0.786	7
8	0.888	0.778	0.748	0.884	0.871	2.82	1.33	2.30	0.218	0.887	0.736	0.718	8
9	0.886	0.774	0.736	0.887	0.736	2.83	1.44	2.22	0.226	0.882	0.783	0.747	9
10	0.881	0.788	0.881	0.878	2.88	2.86	1.86	2.22	0.211	0.819	0.783	0.781	10
11	0.872	0.768	0.382	0.885	7.88	2.88	1.84	2.11	0.224	0.828	0.736	0.788	11
12	0.872	0.783	0.386	0.844	7.88	2.86	1.72	1.88	0.237	0.829	0.718	0.778	12
13	0.886	0.888	0.388	0.883	8.38	2.21	2.43	2.88	0.230	0.829	0.788	0.811	13
14	0.878	0.782	0.381	0.848	8.38	1.28	3.88	2.14	0.284	0.832	0.736	0.833	14
15	0.888	0.788	0.382	0.848	8.28	1.28	3.87	2.18	0.218	0.884	0.718	0.788	15
16	0.883	0.787	0.384	0.834	4.38	1.38	3.43	2.18	0.218	0.843	0.731	0.888	16
17	0.812	0.788	0.386	0.824	0.788	1.31	3.44	2.38	0.238	0.843	0.732	0.818	17
18	0.786	0.818	0.388	0.818	0.787	1.31	3.38	2.18	0.284	0.888	0.733	0.884	18
19	0.787	0.838	0.388	0.818	0.788	1.33	3.33	2.88	0.288	0.888	0.738	0.813	19
20	0.788	0.811	0.383	0.828	0.772	1.38	3.18	2.81	0.383	0.887	0.748	0.838	20
21	0.787	0.831	0.388	0.885	0.781	1.38	3.84	2.88	0.333	0.887	0.748	0.838	21
22	0.788	0.838	0.381	0.827	0.774	1.32	3.18	1.88	0.371	0.877	0.748	0.884	22
23	0.887	0.817	0.388	0.821	0.787	1.38	3.14	1.81	0.481	0.878	0.748	0.883	23
24	0.783	0.781	0.384	0.818	0.781	1.31	3.18	1.88	0.433	0.787	0.742	0.788	24
25	0.784	0.788	0.388	0.837	0.774	1.34	3.13	1.87	0.447	0.714	0.744	0.788	25
26	0.778	0.787	0.388	0.883	2.27	1.32	3.18	1.11	0.488	0.787	0.773	0.787	26
27	0.788	0.788	0.381	1.82	3.17	1.38	3.88	0.788	0.838	0.744	0.782	0.784	27
28	0.818	0.781	0.378	3.88	3.18	1.34	3.11	0.843	0.887	0.743	0.787	0.783	28
29	0.888		0.381	3.88	3.84	1.38	3.11	0.881	0.888	0.738	0.732	0.784	29
30	0.785		0.383	3.84	3.81	1.37	1.83	0.888	0.884	0.728	0.781	0.733	30
31	0.788		0.388		2.88		1.88	0.818		0.747		0.738	31
TOTAL	28.723	22.268	18.838	28.181	81.382	88.18	78.33	88.843	8.878	28.287	22.188	23.838	TOTAL
MEAN	0.838	0.788	0.884	0.838	2.83	1.87	2.43	1.83	0.333	0.883	0.737	0.782	MEAN
MAX	0.881	0.831	0.783	3.88	7.88	2.88	3.88	2.38	0.884	0.747	0.773	0.838	MAX
MIN	0.778	0.788	0.378	0.377	0.871	1.28	1.38	0.818	0.284	0.878	0.781	0.883	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.21
MAXIMUM DAILY, 7.83 ON MAY 12
MINIMUM DAILY, 0.284 ON SEP 14
MAXIMUM INSTANTANEOUS,
9.77 AT 18:48 CST ON MAY 11

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 04 51 0
LONG 100 02 40 W
DRAINAGE AREA, 2 400 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 330	JUL	8 810
FEB	1 830	AUG	4 810
MAR	1 380	SEP	838
APR	2 430	OCT	1 780
MAY	7 030	NOV	1 810
JUN	8 110	DEC	2 840

TOTAL DISCHARGE, 33 000 dam³

SWIFT CURRENT CREEK BELOW ROCK CREEK - STATION NO. 05AD034

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.2198	0.2888	1.13 E	0.884	1.48 E	0.348	0.883	0.112	0.883	0.887	0.288	0.2388	1
2	0.2288	0.2788	1.18 E	0.838	1.38 E	0.334	0.188	0.183	0.882	0.888	0.283	0.2388	2
3	0.2218	0.2728	1.88 E	7.22	1.28 E	0.288	0.232	0.888	0	0	0.281	0.2228	3
4	0.2228	0.2748	1.83 E	4.58	1.28 E	0.271	0.287	0.877	0.888	0.881	0.288	0.2148	4
5	0.2248	0.2788	1.88 E	3.38	1.12 E	0.218	0.411	0.878	0.881	0.883	0.281	0.2878	5
6	0.2288	0.2788	0.8788	2.83	1.83 E	0.228	0.283	0.885	0.882	0	0.288	0.2888	6
7	0.2288	0.2888	0.8488	2.82	0.8882	0.383	0.284	0.888	0.883	0	0.278	0.1828	7
8	0.2288	0.2828	0.8188	1.82	0.8218	0.287	0.217	0.882	0.884	0	0.288	0.1688	8
9	0.2288	0.2848	0.8828	1.77	0.7828	0.288	0.214	0.848	0.888	0	0.281	0.1788	9
10	0.2228	0.2888	1.88 E	1.68	1.18 E	0.234	0.482	0.844	0.883	0	0.288	0.1728	10
11	0.2248	0.2888	2.81 E	1.71	2.33 E	0.188	1.18	0.838	0.881	0.888	0.278	0.1878	11
12	0.2288	0.2888	4.28 E	1.48	2.88 E	0.288	2.18	0.842	0	0.134	0.282	0.1818	12
13	0.2278	0.8888	2.88 E	1.23	2.88 E	0.287	1.24	0.848	0	0.188	0.287	0.1838	13
14	0.2288	1.48 E	2.88 E	1.28	2.88 E	0.288	1.88	0.838	0	0.182	0.314	0.1488	14
15	0.2488	2.88 E	3.82 E	1.28	2.83 E	0.332	1.83	0.837	0	0.188	0.387	0.1488	15
16	0.2488	2.74 E	2.31 E	1.28	2.27 E	0.288	0.838	0.834	0	0.172	0.383	0.1388	16
17	0.2488	2.88 E	1.74 E	1.24	2.13 E	0.282	0.831	0.831	0	0.171	0.288	0.1348	17
18	0.2488	2.28 E	2.21 E	1.438	1.88 E	0.228	0.838	0.827	0	0.182	0.383	0.1388	18
19	0.2488	2.18 E	1.87 E	1.888	1.88 E	0.188	0.448	0.832	0	0.184	0.278	0.1248	19
20	0.2488	1.82 E	1.88 E	1.818	1.88 E	0.171	0.438	0.838	0	0.181	0.383	0.1288	20
21	0.2888	1.78 E	1.83 E	1.882	1.78 E	0.148	0.388	0.814	0	0.187	0.388	0.1188	21
22	0.2818	1.88 E	1.31	1.878	1.88 E	0.884	0.432	0.888	0	0.188	0.3888	0.1118	22
23	0.2838	1.47 E	1.18	1.782	1.38 E	0.881	0.383	0.888	0	0.188	0.3488	0.1048	23
24	0.2848	1.48 E	1.18	1.838	1.13 E	0.884	0.383	0.888	0	0.281	0.3388	0.1048	24
25	0.2888	1.34 E	1.21	1.888	0.988	0.837	0.388	0.888	0	0.212	0.3128	0.1888	25
26	0.2888	1.33 E	1.18	1.888	0.881	0.888	0.277	0.887	0	0.227	0.3488	0.8838	26
27	0.2888	1.38 E	1.17	1.882	0.718	0	0.213	0.888	0.881	0.218	0.2788	0.8888	27
28	0.2828	1.18 E	1.27	1.888	0.814	0	0.183	0.818	0.884	0.238	0.2888	0.8888	28
29	0.2848		2.88	1.888	0.848	0.888	0.183	0.888	0.883	0.288	0.2888	0.8888	29
30	0.2888		8.31	1.838	0.488	0.888	0.138	0.888	0.884	0.288	0.2478	0.8848	30
31	0.2878		18.7		0.288		0.123	0.887		0.238		0.8838	31
TOTAL	7.888	21.188	72.383	78.71	44.818	8.288	14.887	1.137	0.848	3.818	8.882	4.478	TOTAL
MEAN	0.242	1.11	2.33	2.88	1.44	0.288	0.481	0.837	0.882	0.128	0.283	0.148	MEAN
MAX	0.287	3.88	18.7	8.88	2.88	0.287	2.18	0.112	0.884	0.238	0.288	0.238	MAX
MIN	0.218	0.288	0.883	1.38	0.388	0	0.888	0.888	0	0	0.287	0.883	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.705
MAXIMUM DAILY, 18.7 ON MAR 31
MINIMUM DAILY, 0 ON JUN 27
MAXIMUM INSTANTANEOUS,
20.4 AT 10:00 CST ON MAR 31

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 59 20 0
LONG 106 35 40 W
DRAINAGE AREA, 1 490 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	843	JUL	1 390
FEB	2 887	AUG	88.2
MAR	8 240	SEP	3.88
APR	8 838	OCT	238
MAY	2 488	NOV	788
JUN	838	DEC	388

TOTAL DISCHARGE, 33 888 dam³

SWIFT CURRENT CREEK NEAR LEINAN - STATION NO. 05HD039

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.3760	0.7600	2.23 B	16.8 B	3.50	0.576	0.603	1.00	1.23	0.703	0.534	0.5100	1
2	0.4060	0.8200	1.77 B	11.6 B	3.05	0.776	0.767	0.986	1.17	0.729	0.653	0.5670	2
3	0.4520	0.7510	1.72 B	6.60 B	3.03	0.740	0.784	1.13	1.16	0.750	0.550	0.5070	3
4	0.5060	0.7300	1.55 B	5.40 B	3.00	0.640	0.656	0.773	1.16	0.724	0.656	0.5270	4
5	0.7320	0.6630	1.45 B	4.06 B	3.50	0.660	0.652	0.611	1.17	0.786	0.5140	0.5670	5
6	0.5160	0.7130	1.56 B	2.23 B	3.42	0.536	0.610	0.654	1.14	0.631	0.600	0.5180	6
7	1.33 B	0.7040	2.60 B	1.63 B	2.26	0.507	0.675	0.532	0.951	0.601	0.557	0.5180	7
8	1.21 B	0.6250	2.55 B	2.31 B	1.55	0.571	0.630	1.00	0.600	0.777	0.573	0.5280	8
9	0.5650	0.4670	2.04 B	2.06 B	1.39	0.506	0.656	1.10	0.613	0.701	0.5740	1.14 B	9
10	0.5660	0.4700	2.73 B	1.83	1.87	0.406	0.606	1.17	0.715	0.611	0.573	1.11 B	10
11	0.5540	0.5670	3.16 B	2.06	2.02	0.366	1.01	0.604	0.700	0.633	0.656	1.22 B	11
12	0.5600	0.6450	2.20 B	1.64	3.64	0.445	1.26	1.22	0.707	0.635	0.653	1.47 B	12
13	1.02 B	0.6600	3.13 B	1.62	6.03	0.531	2.26	1.21	0.719	0.619	0.5710	1.26 B	13
14	0.5370	0.5660	5.30 B	1.74	7.46	0.630	2.14	1.40	0.736	0.627	0.5700	1.46 B	14
15	0.4700	1.16 B	3.60 B	1.65	6.30	0.613	1.66	1.70	0.703	1.94	0.5100	1.26 B	15
16	0.4660	1.36 B	2.57 B	1.56	6.19	0.564	1.26	1.57	0.667	2.01	0.5750	1.30 B	16
17	0.4610	1.31 B	2.56 B	1.55	6.03	0.563	0.954	1.50	0.704	1.30	0.5500	1.00 B	17
18	0.5440	1.22 B	2.27 B	1.52	5.36	0.479	0.774	1.52	0.607	0.617	0.5100	0.7230	18
19	0.4730	1.52 B	0.5660	1.49	2.63	0.446	0.625	1.56	0.710	0.569	0.5050	0.5000	19
20	0.5300	2.26 B	1.40 B	1.40	1.75	0.418	4.21	1.64	0.706	0.540	0.5740	0.4250	20
21	0.5770	2.02 B	2.40 B	1.50	1.53	0.456	1.18	1.66	0.721	0.706	0.5300	0.3060	21
22	0.5660	2.53 B	0.5660	1.61	1.47	0.404	1.40	1.56	0.702	0.650	0.5100	0.2230	22
23	0.5410	2.12 B	1.03 B	1.50	1.33	0.437	1.52	1.62	0.676	0.636	0.5660	0.2250	23
24	0.5730	1.75 B	1.20 B	1.50	1.21	0.562	1.41	1.62	0.664	0.659	0.5720	0.2450	24
25	0.7060	1.76 B	0.7600	1.71	1.17	0.566	1.18	1.77	0.711	0.650	0.5650	0.2720	25
26	1.06 B	1.52 B	0.5320	1.65	1.60	0.732	1.01	1.73	0.700	0.662	0.5400	0.2300	26
27	1.06 B	1.40 B	0.6670	1.64	1.03	0.704	0.952	1.65	0.660	0.618	0.5220	0.2060	27
28	0.4280	1.74 B	1.11 B	1.24	0.566	0.560	0.707	1.62	0.674	0.630	0.5350	0.1710	28
29	0.5720		2.16 B	0.977	0.626	0.574	0.667	1.61	0.666	0.624	0.7060	0.1700	29
30	0.5560		2.06 B	2.06	0.642	0.606	0.704	1.58	0.700	0.600	0.7760	0.7550	30
31	0.5660		14.0 B		0.602		0.921	1.41		0.606		0.7420	31
TOTAL	22.056	34.514	74.432	86.627	90.246	16.663	36.342	42.142	24.346	27.380	24.701	23.626	TOTAL
MEAN	0.711	1.23	2.40	2.89	2.91	0.555	1.17	1.36	0.812	0.883	0.823	0.766	MEAN
MAX	1.33	2.62	14.0	16.8	7.46	0.776	4.21	1.82	1.23	2.01	0.974	1.47	MAX
MIN	0.376	0.467	0.532	0.877	0.602	0.366	0.603	0.611	0.674	0.540	0.506	0.170	MIN

SUMMARY FOR THE YEAR 1983

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.39
MAXIMUM DAILY, 16.8B ON APR 1
MINIMUM DAILY, 0.1700 ON DEC 29
MAXIMUM INSTANTANEOUS,
60.0 AT 16:14 CST ON JUL 20

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 20 36 N
LONG 107 26 31 W
DRAINAGE AREA, 3 730 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 910	JUL	3 140
FEB	2 980	AUG	3 640
MAR	6 430	SEP	2 100
APR	7 740	OCT	2 360
MAY	7 800	NOV	2 130
JUN	1 440	DEC	2 060

TOTAL DISCHARGE, 43 700 dam³

TATAGWA LAKE DRAIN NEAR WEYBURN - STATION NO. 05NB018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	1.57	0.236	0.031	0.043	0.020A	0E	---	---	1
2	---	---	0B	0 B	1.55	0.201	0.033	0.045	0.018E	0E	---	---	2
3	---	---	0B	0 B	1.50	0.188	0.030	0.043	0.018E	0E	---	---	3
4	---	---	0B	0 B	1.46	0.156	0.026	0.040	0.018E	0E	---	---	4
5	---	---	0B	0 B	1.36	0.127	0.021	0.036	0.018E	0E	---	---	5
6	---	---	0B	0 B	1.24	0.101	0.013	0.036	0.017E	0E	---	---	6
7	---	---	0B	0 B	1.26	0.061	0.007	0.031	0.017E	0E	---	---	7
8	---	---	0B	0.0040	1.18	0.077	0.001	0.033	0.018E	0E	---	---	8
9	---	---	0B	0.0240	1.17	0.060	0.002	0.036	0.018E	0E	---	---	9
10	---	---	0B	0.0360	1.26	0.044	0.030	0.034	0.018E	0E	---	---	10
11	---	---	0B	0.0320	1.09	0.033	0.062	0.018	0.014E	0E	---	---	11
12	---	---	0B	0.0220	0.671	0.180	0.062	0.006	0.013E	0E	---	---	12
13	---	---	0B	0.0150	0.865	0.279	0.036	0.005	0.012E	0E	---	---	13
14	---	---	0B	0.0130	1.12	0.262	0.026	0.000	0.011E	0E	---	---	14
15	---	---	0B	0.0100	1.07	0.260	0.023	0.018A	0.010E	0E	---	---	15
16	---	---	0B	0.0030	1.05	0.231	0.036	0.018E	0.008E	0E	---	---	16
17	---	---	0B	0.0020	1.03	0.202	0.032	0.018E	0.008E	0E	---	---	17
18	---	---	0B	0.0010	0.650	0.154	0.030	0.018E	0.007E	0E	---	---	18
19	---	---	0B	0.4500	0.887	0.118	0.026	0.018E	0.006E	0E	---	---	19
20	---	---	0B	1.03 B	0.874	0.112	0.022	0.018E	0.005E	0E	---	---	20
21	---	---	0B	1.60	0.861	0.007	0.019	0.018E	0.004E	0E	---	---	21
22	---	---	0B	1.71	0.774	0.081	0.017	0.018E	0.003E	0E	---	---	22
23	---	---	0B	1.78	0.861	0.076	0.017	0.018E	0.003E	0E	---	---	23
24	---	---	0B	1.71	0.834	0.048	0.017	0.018E	0.001E	0E	---	---	24
25	---	---	0B	1.76	0.672	0.030	0.016	0.018E	0 E	0E	---	---	25
26	---	---	0B	1.83	0.506	0.034	0.015	0.020E	0 E	0E	---	---	26
27	---	---	0B	1.65	0.466	0.030	0.019	0.020E	0 E	0E	---	---	27
28	---	---	0B	1.60	0.411	0.026	0.023	0.020E	0 A	0E	---	---	28
29	---		0B	1.72	0.362	0.026	0.026	0.020E	0 E	0E	---	---	29
30	---		0B	1.63	0.256	0.036	0.033	0.020E	0 E	0E	---	---	30
31	---		0B		0.264		0.035	0.020E		0E		---	31
TOTAL	---	---	0	19.806	28.316	3.609	0.796	0.748	0.260	0	---	---	TOTAL
MEAN	---	---	0	0.660	0.909	0.120	0.026	0.024	0.009	0	---	---	MEAN
MAX	---	---	0	1.83	1.57	0.268	0.062	0.045	0.020	0	---	---	MAX
MIN	---	---	0	0	0.256	0.025	0.001	0.005	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.223
MAXIMUM DAILY, 1.83 ON APR 26
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
2.00 AT 16:47 CST ON APR 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 36 56 N
LONG 103 56 50 W
DRAINAGE AREA, 240 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	68.8
FEB	---	AUG	64.8
MAR	0	SEP	24.2
APR	1 710	OCT	0
MAY	2 520	NOV	---
JUN	312	DEC	---

TOTAL DISCHARGE, 4 710 dam³

TAZIN LAKE NEAR OUTLET - STATION NO. 07QC003

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.567	3.542	3.519	3.488	3.410	3.512	3.683	3.771	3.776	3.764	3.720	3.618	1
2	3.567	3.534	3.519	3.488	3.408	3.515	3.683	3.765	3.780	3.761	3.721	3.618	2
3	3.566	3.531	3.519	3.485	3.408	3.522	3.676	3.767	3.776	3.753	3.718	3.612	3
4	3.567	3.526	3.519	3.458	3.408	3.531	3.681	3.764	3.777	3.748	3.717	3.604	4
5	3.566	3.524	3.519	3.451	3.408	3.536	3.678	3.765	3.786	3.741	3.711	3.606	5
6	3.566	3.524	3.519	3.451	3.410	3.548	3.678	3.761	3.788	3.747	3.712	3.605	6
7	3.572	3.525	3.519	3.450	3.411	3.556	3.676	3.760	3.786	3.748	3.706	3.598	7
8	3.572	3.526	3.519	3.450	3.421	3.556	3.679	3.758	3.789	3.744	3.701	3.594	8
9	3.571	3.525	3.519	3.450	3.424	3.564	3.682	3.762	3.788	3.738	3.695	3.593	9
10	3.570	3.527	3.519	3.450	3.428	3.569	3.681	3.762	3.794	3.734	3.691	3.587	10
11	3.570	3.526	3.520	3.448	3.431	3.576	3.679	3.768	3.793	3.735	3.688	3.584	11
12	3.569	3.527	3.513	3.437	3.436	3.581	3.679	3.766	3.791	3.734	3.687	3.581	12
13	3.570	3.525	3.511	3.427	3.436	3.581	3.679	3.764	3.791	3.732	3.688	3.587	13
14	3.570	3.523	3.511	3.421	3.436	3.581	3.674	3.765	3.797	3.736	3.682	3.576	14
15	3.570	3.526	3.509	3.419	3.439	3.588	3.708	3.768	3.805	3.740	3.680	3.574	15
16	3.570	3.527	3.510	3.418	3.445	3.616	3.727	3.762	3.800	3.736	3.680	3.573	16
17	3.571	3.526	3.508	3.417	3.446	3.623	3.727	3.769	3.793	3.736	3.676	3.564	17
18	3.569	3.521	3.505	3.418	3.445	3.628	3.723	3.765	3.791	3.728	3.673	3.562	18
19	3.569	3.512	3.504	3.417	3.449	3.632	3.730	3.764	3.775	3.740	3.666	3.556	19
20	3.569	3.513	3.504	3.419	3.454	3.636	3.740	3.760	3.776	3.737	3.663	3.550	20
21	3.566	3.511	3.504	3.418	3.460	3.645	3.749	3.759	3.784	3.737	3.663	3.542	21
22	3.568	3.506	3.505	3.418	3.456	3.650	3.752	3.765	3.787	3.737	3.662	3.547	22
23	3.569	3.511	3.502	3.416	3.457	3.657	3.753	3.766	3.790	3.731	3.657	3.543	23
24	3.568	3.514	3.488	3.413	3.466	3.652	3.756	3.774	3.781	3.724	3.648	3.533	24
25	3.566	3.517	3.476	3.406	3.479	3.655	3.761	3.770	3.780	3.726	3.644	3.530	25
26	3.565	3.518	3.478	3.408	3.488	3.665	3.763	3.773	3.776	3.725	3.643	3.530	26
27	3.548	3.519	3.476	3.407	3.481	3.669	3.768	3.778	3.775	3.726	3.638	3.534	27
28	3.548	3.517	3.476	3.408	3.481	3.671	3.761	3.779	3.784	3.727	3.634	3.526	28
29	3.547		3.473	3.412	3.488	3.677	3.764	3.777	3.780	3.725	3.631	3.521	29
30	3.550		3.486	3.413	3.505	3.680	3.768	3.780	3.784	3.727	3.627	3.520	30
31	3.551		3.488		3.508		3.763	3.778		3.721		3.516	31
MEAN	3.565	3.522	3.503	3.431	3.447	3.604	3.717	3.762	3.783	3.736	3.676	3.569	MEAN
MAX	3.572	3.542	3.520	3.488	3.508	3.680	3.768	3.780	3.805	3.764	3.721	3.618	MAX
MIN	3.547	3.506	3.466	3.406	3.408	3.512	3.674	3.744	3.750	3.721	3.627	3.516	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MEAN, 3.610
MAXIMUM DAILY, 3.805 ON SEP 15
MINIMUM DAILY, 3.406 ON APR 25
MAXIMUM INSTANTANEOUS,
3.810 AT 21:43 CST ON SEP 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 59 40 10 N
LONG 109 24 30 W

REGULATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM NO. 2

THEODORE RESERVOIR NEAR THEODORE - STATION NO. 05MB008

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	407.825	407.783	407.948	407.862	407.784	407.902	407.763	407.739	407.755E	---	1
2	---	---	407.829	407.778	407.938	407.865	407.790	407.900	407.753	407.732	407.755E	---	2
3	---	---	407.833	407.776	407.922	407.870	407.800	407.882	407.744	407.734	407.755A	---	3
4	---	---	407.835	407.776	407.916	407.863	407.800	407.880	407.739	407.737	---	---	4
5	---	---	407.833	407.776	407.906	407.858	407.822	407.882	407.737	407.747	---	---	5
6	---	---	407.831	407.774	407.888	407.854	407.873	407.873	407.742	407.749E	---	---	6
7	---	---	407.831	407.774	407.874	407.850	407.878	407.869	407.738	407.750E	---	---	7
8	---	---	407.822	407.775	407.865	407.847	407.881	407.857	407.738	407.753E	---	---	8
9	---	---	407.815	407.777	407.870	407.835	407.888	407.851	407.742	407.750E	---	---	9
10	---	---	407.810	407.773	407.873	407.838	407.875	407.847	407.750	407.757E	---	---	10
11	---	---	407.810	407.772	407.883	407.828	407.882	407.836	407.745	407.754E	---	---	11
12	---	---	407.805	407.771	407.884	407.836	407.817	407.828	407.746	407.752E	---	---	12
13	---	---	407.797	407.770	407.883	407.848	407.852	407.828	407.745	407.752E	---	---	13
14	---	---	407.791	407.770	407.881	407.860	407.843	407.818	407.740	407.751E	---	---	14
15	---	---	407.788	407.771	407.888	407.853	407.814	407.811	407.742	407.750E	---	---	15
16	---	---	407.787	407.768	407.893	407.851	407.884	407.802	407.736	407.752E	---	---	16
17	---	---	407.782	407.768	407.903	407.844	407.900	407.798	407.741	407.752E	---	---	17
18	---	---	407.782	407.776	407.906	407.833	407.914	407.792	407.743	407.754E	---	---	18
19	---	---	407.783	407.776	407.906	407.830	407.916	407.790	407.732	407.750E	---	---	19
20	---	---	407.781	407.781	407.900	407.832	407.907	407.788	407.729	407.748E	---	---	20
21	---	---	407.780	407.884	407.914	407.813	407.927	407.789	407.723	407.750E	---	---	21
22	---	---	407.778	407.976	407.910	407.806	407.934	407.788	407.721	407.751E	---	---	22
23	---	407.815A	407.777	408.066	407.906	407.803	407.930	407.785	407.723	407.750E	---	---	23
24	---	407.814	407.778	408.062	407.902	407.797	407.918	407.784	407.727	407.750E	---	---	24
25	---	407.818	407.781	408.001	407.880	407.800	407.908	407.774	407.729	407.750E	---	---	25
26	---	407.820	407.778	407.986	407.880	407.801	407.895	407.772	407.726	407.753E	---	---	26
27	---	407.821	407.778	407.932	407.883	407.782	407.890	407.770	407.729E	407.755E	---	---	27
28	---	407.821	407.778	407.941	407.872	407.780	407.881	407.786	407.730E	407.750E	---	---	28
29	---		407.778	407.949	407.867	407.782	407.884	407.786	407.731E	407.750E	---	---	29
30	---		407.778	407.954	407.860	407.788	407.912	407.785	407.733A	407.752E	---	---	30
31	---		407.783		407.848		407.906	407.786		407.750E		---	31
MEAN	---	---	407.798	407.830	407.890	407.830	407.867	407.818	407.737	407.751	---	---	MEAN
MAX	---	---	407.835	408.066	407.948	407.870	407.952	407.902	407.763	407.765	---	---	MAX
MIN	---	---	407.775	407.768	407.848	407.786	407.784	407.764	407.721	407.730	---	---	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MAXIMUM DAILY, 408.066 ON APR 23

MAXIMUM INSTANTANEOUS,
408.080 AT 21:17 CST ON APR 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 26 32 N
LONG 102 54 30 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

THUNDER CREEK NEAR DASHWOOD - STATION NO. 05JB012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 8	0 0270	0 334	0	0	0	0 004	0	0	---	---	1
2	---	0 8	0 0180	0 184	0	0	0	0 003	0	0	---	---	2
3	---	0 8	0 0068	0 083	0	0	0	0 002	0	0	---	---	3
4	---	0 8	0 0038	0 038	0	0	0	0 001	0	0	---	---	4
5	---	0 8	0 8	0 032	0	0	0	0	0	0	---	---	5
6	---	0 8	0 8	0 024	0	0	0	0	0	0	---	---	6
7	---	0 8	0 8	0 017	0	0	0	0	0	0	---	---	7
8	---	0 8	0 8	0 012	0	0	0	0	0	0	---	---	8
9	---	0 8	0 8	0 008	0	0	0	0	0	0	---	---	9
10	---	0 8	0 0360	0 005	0 001	0	0 001	0	0	0	---	---	10
11	---	0 8	0 4610	0 004	0	0	0 012	0	0	0	---	---	11
12	---	0 8	0 0610	0 003	0	0	0	0	0	0	---	---	12
13	---	0 8	0 0120	0 003	0	0	0	0	0	0	---	---	13
14	---	0 8	0 4700	0 004	0	0	0	0	0	0	---	---	14
15	---	0 8	0 2000	0 003	0	0	0	0	0	0	---	---	15
16	---	0 8	0 1400	0 003	0	0	0	0	0	0	---	---	16
17	---	0 8	0 1110	0 003	0	0	0	0	0	0	---	---	17
18	---	0 8	0 0760	0 003	0	0	0	0	0	0	---	---	18
19	---	0 8	0 0560	0 002	0	0	0	0	0	0	---	---	19
20	---	0 8	0 0450	0 001	0	0	0 030	0	0	0	---	---	20
21	---	0 8	0 0360	0 001	0	0	1 50	0	0	0	---	---	21
22	---	0 8	0 0120	0 002	0	0	0 811	0	0	0	---	---	22
23	---	0 8	0 0010	0 001	0	0	0 004	0	0	0	---	---	23
24	---	0 0020	0 8	0 001	0	0	0 007	0	0	0	---	---	24
25	---	0 0140	0 8	0 001	0	0	0 100	0	0	0	---	---	25
26	---	0 0110	0 8	0 002	0	0	0 007	0	0	0	---	---	26
27	---	0 0270	0 0480	0 002	0	0	0 041	0	0	0	---	---	27
28	---	0 0640	0 1300	0 001	0	0	0 024	0	0	0	---	---	28
29	---		0 3370	0 001	0	0	0 015	0	0	0	---	---	29
30	---		0 4370	0	0	0	0 008	0	0	0	---	---	30
31	---		0 587		0		0 005	0				---	31
TOTAL	---	0 118	5 168	0 720	0 001	0	2 915	0 010	0	0	---	---	TOTAL
MEAN	---	0 004	0 167	0 024	0	0	0 094	0	0	0	---	---	MEAN
MAX	---	0 004	0 951	0 324	0 001	0	1 50	0 004	0	0	---	---	MAX
MIN	---	0	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0 030
MAXIMUM DAILY, 1 50 ON JUL 21
MINIMUM DAILY, 0 0 ON MAR 5
MAXIMUM INSTANTANEOUS,
2 10 AT 10:00 CST ON JUL 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 39 33 N
LONG 100 16 45 W
DRAINAGE AREA, 885 km²

B - ICE CONDITIONS

REGULATED SINCE 1982

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	262
FEB	10 2	AUG	0 86
MAR	447	SEP	0
APR	63 0	OCT	0
MAY	0 00	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 783 dam³

THYME HILL RIVER BELOW MACKENZIE LAKE - STATION NO 05BB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3 10E	2 63A	2 30	2 00	4 20E	15 0	17 8	17 9	38 4	42 3	18 4	12 9	1
2	3 10E	2 62E	2 28	2 00	4 50E	15 7	17 2	18 3	37 6	40 0	17 7	12 2	2
3	3 12E	2 90E	2 32	2 00	4 70E	15 3	16 8	18 3	36 0	36 9	17 3	12 1	3
4	3 10E	2 97E	2 28	2 04	4 60E	15 7	16 0	18 3	31 2	34 9	17 4	11 6	4
5	3 09A	2 94E	2 27	2 06	5 00E	17 2	15 1	18 1	33 0	33 9	17 6	11 9	5
6	3 02	2 92E	2 24	2 07	5 20E	17 2	14 8	17 9	34 2	32 6	17 6	11 2	6
7	2 97	2 90E	2 24	2 07	5 40E	17 3	14 4	16 0	35 4	31 3	17 6	11 0	7
8	3 01	2 48A	2 26	2 13	5 60E	17 5	13 9	17 6	36 5	29 8	17 2	10 8	8
9	3 03	2 42E	2 25	2 16	5 80E	17 4	13 4	17 4	36 6	28 6	16 8A	10 6	9
10	3 03	2 42E	2 25	2 15	6 00E	17 0	13 2	16 8	36 3	27 8	16 8A	10 3	10
11	3 02E	2 42E	2 24	2 14	6 10A	17 7	12 7	16 5	35 1	26 7	16 2A	10 1	11
12	3 02E	2 41E	2 25	2 13	6 30	17 7	12 2	16 2	34 1	25 8A	16 1	9 93	12
13	3 00E	2 40E	2 25	2 13	6 50	18 7	11 8	15 8	33 0	25 2	15 9	9 85	13
14	3 00E	2 39E	2 25	2 11	6 70	20 6	11 5	15 5	31 6	24 3	15 7	9 67E	14
15	2 97E	2 36E	2 23	2 12	6 93A	22 0	11 0	15 3	29 7	24 0	15 4	9 48E	15
16	2 94	2 36E	2 22	2 09	7 21	23 7	11 2	14 9	28 3	24 4	15 3	9 27E	16
17	2 93A	2 37E	2 20	2 06	7 50	25 6	12 1	14 9	31 0	23 8E	15 2	9 10E	17
18	2 90A	2 35E	2 18	2 12	7 72	25 6	12 3	14 7	36 2	22 3A	15 0	8 80E	18
19	2 87	2 36E	2 18	2 19	7 84	27 3	12 6	15 0	40 7	22 1	14 7	8 60E	19
20	2 87	2 34E	2 16	2 20	8 30	27 1	13 2	15 7	45 4	21 8	14 5	8 80E	20
21	2 88	2 34E	2 16	2 27	8 80	26 6	13 4	17 2	50 0	21 7	14 4	8 33E	21
22	2 88	2 34A	2 13	2 34	9 35	25 6	13 7	18 8	51 5	21 4	14 2	8 13E	22
23	2 88	2 31	2 12	2 43	9 70	24 6	13 7	21 1	54 2	21 1	14 0	7 80E	23
24	2 86	2 31	2 13	2 62	10 2	23 7	13 6	23 6	55 6	20 6	13 9	7 70E	24
25	2 83A	2 31	2 12	2 83A	10 6	23 3	13 9	26 9	55 1	20 5	13 7	7 53A	25
26	2 78E	2 30	2 11	3 18E	11 1	21 7	14 1	29 0	54 0	20 1	13 5	7 46	26
27	2 76E	2 26	2 11	3 40E	11 6	20 6	14 3	30 2	52 6	20 0	13 2	7 31	27
28	2 74E	2 26	2 10	3 65E	12 3	19 0	15 7	31 0	48 4	19 5	13 1	7 12A	28
29	2 71E		2 10	3 90E	12 9	19 4	16 2	30 6	46 2	19 1	12 9	6 97	29
30	2 69E		2 12	4 10E	13 6	18 7	17 0	30 2	43 9	18 8	12 7	6 69A	30
31	2 68A		2 11		14 3		17 7	29 3		18 7		6 72E	31
TOTAL	90 79	67 92	68 67	72 96	247 42	616 9	437 1	621 7	1 168 6	800 2	483 4	280 80	TOTAL
MEAN	2 93	2 41	2 21	2 43	7 98	20 6	14 1	20 1	39 0	25 8	16 4	9 35	MEAN
MAX	3 10	2 63	2 30	4 10	14 3	27 3	17 8	31 0	55 6	42 3	18 4	12 9	MAX
MIN	2 68	2 30	2 10	2 00	4 20	15 0	11 0	14 7	27 6	18 7	12 7	6 73	MIN

SUMMARY FOR THE YEAR 1983

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 13 6
MAXIMUM DAILY, 55 6 ON SEP 26
MINIMUM DAILY, 2 00 ON APR 17
MAXIMUM INSTANTANEOUS,
56 0 AT 10:24 CST ON SEP 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 46 10 N
LONG 102 43 00 W
DRAINAGE AREA, 1 300 km²
A - MANUAL GAUGE

B - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	7 040	JUL	27 000
FEB	5 630	AUG	53 700
MAR	6 830	SEP	103 000
APR	9 310	OCT	80 100
MAY	21 400	NOV	50 000
JUN	53 000	DEC	33 000

TOTAL DISCHARGE, 439 000 dam³

REMARKS - DATA PREVIOUSLY PUBLISHED AND ABOVE ABOUT 15 m³/s MAY BE REVISED IN 1984

TOBIN LAKE AT SQUAW RAPIDS SPILLWAY - STATION NO. 05KD004

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	313.380	313.620	312.980	312.170	313.020	313.100	313.130	313.130	313.080	313.270	313.520	313.100	1
2	313.400	313.600	312.880	312.220	313.050	313.150	313.180	313.170	313.020	313.280	313.510	313.000	2
3	313.440	313.500	312.800	312.310	313.080	313.190	313.190	313.160	313.060	313.280	313.510	313.060	3
4	313.440	313.550	312.720	312.400	313.080	313.170	313.240	313.120	313.080	313.280	313.500	313.040	4
5	313.480	313.580	312.840	312.410	313.060	313.100	313.310	313.080	313.080	313.310	313.400	313.020	5
6	313.470	313.600	312.840	312.440	313.080	313.200	313.310	312.980	313.070	313.280	313.420	312.970	6
7	313.470	313.580	312.800	312.360	313.060	313.120	313.300	312.920	313.070	313.340	313.450	312.950	7
8	313.470	313.580	312.400	312.380	313.130	313.080	313.270	312.960	313.180	313.390	313.480	312.920	8
9	313.480	313.580	312.440	312.380	313.100	313.080	313.220	312.920	313.100	313.400	313.480	312.920	9
10	313.600	313.580	312.340	312.400	313.130	312.980	313.180	312.980	313.210	313.400	313.470	312.900	10
11	313.630	313.560	312.310	312.410	313.080	312.920	313.140	312.910	313.230	313.420	313.480	312.920	11
12	313.630	313.560	312.320	312.270	313.040	312.950	313.170	312.880	313.200	313.450	313.530	312.960	12
13	313.600	313.580	312.380	312.180	312.980	313.020	313.180	312.880	313.200	313.420	313.580	312.980	13
14	313.550	313.580	312.410	312.180	312.970	312.980	313.100	312.880	313.200	313.380	313.580	312.970	14
15	313.580	313.550	312.330	312.150	312.980	312.980	313.080	312.910	313.280	313.420	313.550	312.980	15
16	313.400	313.600	312.330	312.180	312.920	313.000	313.070	312.920	313.280	313.420	313.520	312.980	16
17	313.400	313.440	312.290	312.300	312.940	312.980	313.080	312.940	313.270	313.410	313.520	312.930	17
18	313.400	313.390	312.280	312.350	312.980	312.980	313.100	312.950	313.270	313.400	313.480	312.910	18
19	313.520	313.410	312.240	312.330	313.000	313.020	313.070	312.980	313.210	313.430	313.470	312.920	19
20	313.540	313.470	312.220	312.220	313.010	313.030	313.040	312.980	313.200	313.430	313.460	312.880	20
21	313.580	313.450	312.230	312.240	313.000	312.980	313.000	312.970	313.100	313.430	313.400	312.880	21
22	313.570	313.580	312.230	312.440	313.070	312.980	313.020	312.970	313.220	313.430	313.400	312.840	22
23	313.580	313.440	312.200	312.670	313.030	312.930	312.980	312.970	313.220	313.450	313.440	312.840	23
24	313.600	313.380	312.170	312.880	313.110	312.940	312.990	312.970	313.210	313.470	313.400	312.820	24
25	313.630	313.380	312.210	313.060	313.130	312.950	312.950	312.980	313.220	313.470	313.370	313.010	25
26	313.570	313.280	312.200	313.110	313.070	312.990	312.930	313.020	313.200	313.480	313.280	313.060	26
27	313.520	313.180	312.200	313.200	313.070	313.050	312.950	313.020	313.250	313.480	313.220	313.150	27
28	313.470	313.060	312.200	313.130	313.080	313.070	312.970	313.020	313.260	313.490	313.200	313.180	28
29	313.400		312.300	313.060	313.120	313.100	312.910	313.050	313.240	313.500	313.250	313.170	29
30	313.520		312.330	313.010	313.180	313.110	312.930	313.070	313.260	313.510	313.200	313.180	30
31	313.600		312.220		313.180		312.930	313.080		313.530		313.280	31
MEAN	313.521	313.475	312.301	312.487	313.061	313.036	313.075	312.990	313.181	313.408	313.451	313.008	MEAN
MAX	313.630	313.620	312.980	313.200	313.180	313.200	313.310	313.170	313.280	313.530	313.580	313.280	MAX
MIN	313.380	313.060	312.170	312.150	312.900	312.920	312.930	312.880	313.020	313.270	313.200	312.880	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MEAN, 313.008
MAXIMUM DAILY, 313.630 ON JAN 11
MINIMUM DAILY, 312.150 ON APR 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 41 10 N
LONG 102 20 50 W
DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TORCH RIVER NEAR LOVE - STATION NO. 05KE002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.830	1.340	1.100	1.200	34.8	24.4	21.7	7.86	2.04	7.02	4.30	4.07 B	1
2	1.720	1.290	1.220	1.330	34.6	26.1	24.8	7.28	2.54	6.81	4.49	4.77 B	2
3	1.730	1.320	1.230	1.420	34.3	30.0	32.4	6.85	2.48	6.86	4.37	4.80 B	3
4	1.750	1.400	1.210	1.410	33.2	36.4	36.6	6.10	2.53	6.59	4.74	4.31 B	4
5	1.740	1.420	1.200	1.470	31.8	41.6	42.3	5.61	2.74	6.43	4.61	3.89 B	5
6	1.760	1.440	1.180	1.610	30.3	41.8	42.6	5.24	2.98	6.50	4.88	3.00 B	6
7	1.750	1.420	1.150	1.740	29.7	39.7	39.2	4.35	3.16	6.36	5.12	2.60 B	7
8	1.770	1.280	1.170	1.830	29.5	37.6	35.4	4.64	3.88	6.07	4.900	2.15 B	8
9	1.810	1.200	1.200	1.940	29.2	36.1	32.1	4.48	4.44	5.97	5.290	1.67 B	9
10	1.810	1.180	1.230	1.975	29.5	35.4	29.1	4.22	4.99	5.82	4.530	1.82 B	10
11	1.830	1.140	1.270	1.900	28.2	34.8	27.1	3.97	5.30	5.78	4.245	1.57 B	11
12	1.910	1.180	1.290	1.760	28.3	34.5	27.7	3.66	5.82	5.54	4.720	1.30 B	12
13	2.030	1.250	1.290	1.810	31.7	35.4	28.1	3.60	5.92	5.48	5.420	1.09 B	13
14	1.910	1.200	1.280	1.800	35.2	36.3	27.9	3.55	5.64	5.38	4.890	1.17 B	14
15	1.780	1.170	1.310	1.820	35.3	36.6	26.4	3.43	5.26	5.33	4.910	1.26 B	15
16	1.720	1.230	1.320	1.880	34.3	35.4	23.8	3.30	4.98	5.27	4.610	1.13 B	16
17	1.660	1.180	1.350	2.040	33.3	33.8	21.9	3.16	5.24	5.26	4.530	1.04 B	17
18	1.600	1.190	1.390	2.440	32.5	31.8	20.2	3.07	5.91	5.11	4.300	1.16 B	18
19	1.690	1.270	1.380	2.470	32.0	30.4	17.6	3.12	6.97	4.84	4.090	0.870B	19
20	1.560	1.200	1.320	2.570	31.0	29.2	15.6	3.15	11.0	5.18	3.490	0.687B	20
21	1.490	1.200	1.310	3.610	33.1	28.0	14.4	3.43	10.9	5.18	2.940	0.788B	21
22	1.400	1.220	1.290	15.1 B	34.9	27.0	13.3	3.53	10.7	4.87	3.230	1.02 B	22
23	1.300	1.170	1.120	31.0 B	36.1	28.1	14.6	3.21	10.2	4.90	3.490	1.20 B	23
24	1.300	1.120	1.070	47.0 B	33.0	29.2	14.1	2.81	9.76	4.78	3.240	0.940B	24
25	1.320	1.100	1.130	48.2	32.5	29.0	13.2	2.70	8.40	4.68	4.090	0.902B	25
26	1.420	1.240	1.150	43.7	31.4	28.5	12.3	2.75	8.16	4.90	3.840	1.22 B	26
27	1.540	1.200	1.120	36.7	30.3	29.2	11.4	2.85	8.61	4.59	3.900	1.01 B	27
28	1.600	1.170	1.100	32.7	29.2	28.5	10.6	3.35	8.16	4.60	3.690	0.610B	28
29	1.470		1.250	33.0	27.6	27.4	9.53	3.13	7.02	4.45	3.670	0.612B	29
30	1.350		1.290	32.5	26.4	25.5	8.90	3.00	7.32	4.31	3.840	0.940B	30
31	1.340		1.320		26.2		8.34	2.83		3.96		1.10 B	31
TOTAL	51.06	34.76	38.41	360.09	979.2	967.5	708.23	124.92	186.50	167.03	128.44	54.770	TOTAL
MEAN	1.65	1.24	1.24	12.0	31.6	32.3	22.8	4.03	6.20	5.42	4.28	1.77	MEAN
MAX	2.03	1.44	1.39	48.2	35.3	41.8	42.6	7.86	11.0	7.02	5.42	4.80	MAX
MIN	1.30	1.12	1.07	1.20	26.2	24.4	8.34	2.70	2.04	3.96	2.94	0.587	MIN

SUMMARY FOR THE YEAR 1983

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.4
MAXIMUM DAILY, 48.2 ON APR 25
MINIMUM DAILY, 0.5870 ON DEC 28
MAXIMUM INSTANTANEOUS,
50.9 AT 07:40 CST ON APR 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 28 15 N
LONG 104 08 40 W
DRAINAGE AREA, 4 890 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	4 410	JUL	61 000
FEB	3 000	AUG	10 800
MAR	3 320	SEP	16 300
APR	31 100	OCT	14 500
MAY	84 600	NOV	11 100
JUN	83 600	DEC	4 730

TOTAL DISCHARGE, 328 000 dam³

TURTLE LAKE NEAR GLASLYN - STATION NO. 05EC009

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	854.794	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	854.851	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	854.788	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	854.776	---	---	---	---	5
6	---	---	---	---	---	---	854.820	---	854.839	---	---	---	6
7	---	---	---	---	---	---	854.821	---	---	---	---	---	7
8	---	---	---	---	---	---	854.837	---	---	---	---	---	8
9	---	---	---	---	---	---	---	854.776	---	---	---	---	9
10	---	---	---	---	---	---	---	---	854.852	---	---	---	10
11	---	---	---	---	---	854.786	854.820	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	854.820	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	854.816	---	---	---	---	---	19
20	---	---	---	---	---	---	---	854.735	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	854.720	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	854.784	---	---	---	---	---	26
27	---	---	---	---	---	---	---	854.703	---	---	---	---	27
28	---	---	---	---	---	854.813	---	---	---	---	---	---	28
29	---	---	---	---	---	---	---	---	---	---	---	---	29
30	---	---	---	---	---	---	---	---	---	---	---	---	30
31	---	---	---	---	---	---	---	854.700	---	---	---	---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 36 45 N
LONG 108 36 15 W
DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TURTLELAKE RIVER NEAR TURTLEFORD - STATION NO 05EC005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.1100	0.843	0.180	0.203	0.121	0.012	0.001	0.056	0.084A	---	1
2	---	---	0.1100	0.886	0.180	0.203	0.097	0.012	0.031	0.056	---	---	2
3	---	---	0.1100	1.17	0.143	0.044	0.143	0.011	0.031	0.048	---	---	3
4	---	---	0.1038	1.05	0.270	0.002	0.160	0.026	0.025	0.048	---	---	4
5	---	---	0.0988	1.17	0.204	0.001	0.207	0.023	0.058	0.044	---	---	5
6	---	---	0.0888	1.38	0.185	0.001	0.111	0.018	0.088	0.041	---	---	6
7	---	---	0.0838	1.38	0.250	0.001	0.116	0.018	0.117	0.052	---	---	7
8	---	---	0.0828	1.28	0.300	0.047	0.148	0.012	0.143	0.087	---	---	8
9	---	---	0.0848	1.18	0.301	0.043	0.273	0.012	0.137	0.105	---	---	9
10	---	---	0.1218	1.18	0.286	0.050	0.260	0.011	0.128	0.086	---	---	10
11	---	---	0.1258	1.10	0.213	0.035	0.156	0.011	0.151	0.092	---	---	11
12	---	---	0.1168	1.00	0.208	0.006	0.088	0.024	0.104	0.110	---	---	12
13	---	---	0.1218	0.934	0.228	0.008	0.029	0.040	0.088	0.124	---	---	13
14	---	---	0.1328	0.908	0.288	0.083	0.011	0.039	0.188	0.131	---	---	14
15	---	---	0.1178	0.888	0.202	0.050	0.002	0.038	0.401	0.218	---	---	15
16	---	---	0.1148	0.868	0.102	0.038	0.001	0.038	0.187	0.005	---	---	16
17	---	---	0.1138	0.857	0.071	0.001	0.001	0.037	0.227	0.001	---	---	17
18	---	---	0.1218	0.782	0.048	0.008	0.001	0.035	0.278	0.058	---	---	18
19	---	---	0.1388	0.852	0.084	0.013	0.001	0.032	0.260	0.023	---	---	19
20	---	---	0.1478	0.888	0.183	0.038	0.001	0.032	0.207	0.010	---	---	20
21	---	---	0.1498	0.838	0.183	0.034	0.001	0.028	0.160	0.080	---	---	21
22	---	---	0.1478	0.833	0.197	0.007	0.001	0.022	0.082	0.002	---	---	22
23	---	---	0.1188	0.888	0.212	0.005	0.001	0.018	0.077	0.008	---	---	23
24	---	---	0.1088	0.478	0.186	0.187	0.004	0.001	0.044	0.020	---	---	24
25	---	---	0.1088	0.388	0.133	0.208	0.078	0.001	0.038	0.045	---	---	25
26	---	---	0.1038	0.367	0.088	0.078	0.078	0.001	0.036	0.063	---	---	26
27	---	---	0.1008	0.312	0.088	0.078	0.051	0.001	0.023	0.114	---	---	27
28	---	---	0.1018	0.252	0.088	0.153	0.039	0.001	0.022	0.057	---	---	28
29	---		0.1618	0.246	0.043	0.117	0.033	0.001	0.018	0.050	---	---	29
30	---		0.2528	0.207	0.020	0.115	0.028	0.001	0.042	0.013	---	---	30
31	---		0.3618		0.022		0.021	0.001		0.058		---	31
TOTAL	---	---	3.988	28.488	5.167	1.820	2.278	0.585	3.380	1.827	---	---	TOTAL
MEAN	---	---	0.129	0.817	0.188	0.081	0.074	0.018	0.112	0.082	---	---	MEAN
MAX	---	---	0.361	1.38	0.301	0.208	0.273	0.040	0.401	0.218	---	---	MAX
MIN	---	---	0.082	0.207	0.020	0.001	0.001	0.001	0.001	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.178
MAXIMUM DAILY, 1.38 ON APR 6
MINIMUM DAILY, 0.001 ON JUN 5
MAXIMUM INSTANTANEOUS,
2.00 AT 11:41 CST ON APR 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 33 37 N
LONG 108 57 04 W
DRAINAGE AREA, 2 310 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	197
FEB	---	AUG	48.0
MAR	345	SEP	290
APR	2 120	OCT	166
MAY	445	NOV	---
JUN	167	DEC	---

TOTAL DISCHARGE, 3 770 dam³

UNNAMED CREEK NEAR CUTBANK - STATION NO. 05MF022

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0	0	0	0	0	0	0	---	---	1
2	---	---	0 B	0	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0	0	0	0	0	0	0	---	---	3
4	---	---	0 B	0	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0	0	0	0	0	0	0	---	---	7
8	---	---	0 B	0	0	0	0	0	0	0	---	---	8
9	---	---	0 B	0	0	0	0	0	0	0	---	---	9
10	---	---	0 B	0	0.007	0	0	0	0	0	---	---	10
11	---	---	0 B	0	0.002	0	0	0	0	0	---	---	11
12	---	---	0 B	0	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0	0	0	0	0	0	0	---	---	15
16	---	---	0 B	0	0	0	0	0	0	0	---	---	16
17	---	---	0 B	0	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0	0	0	0.052	0	0	0	---	---	20
21	---	---	0 B	0	0	0	0	0	0	0	---	---	21
22	---	---	0 B	0	0	0	0	0	0	0	---	---	22
23	---	---	0 B	0	0	0	0	0	0	0	---	---	23
24	---	---	0 B	0	0	0	0	0	0	0	---	---	24
25	---	---	0 B	0	0	0	0	0	0	0	---	---	25
26	---	---	0 B	0	0	0	0	0	0	0	---	---	26
27	---	---	0 B	0	0	0	0	0	0	0	---	---	27
28	---	---	0.0028	0	0	0	0	0	0	0	---	---	28
29	---		0.006	0	0	0	0	0	0	0	---	---	29
30	---		0.002	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	0.010	0	0.009	0	0.052	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.006	0	0.007	0	0.052	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0.007 ON MAY 10
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.054 AT 19:59 CST ON JUL 20

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 21 28 N
LONG 106 52 15 W
DRAINAGE AREA, 188 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.17
FEB	---	AUG	0
MAR	0.06	SEP	0
APR	0	OCT	0
MAY	0.78	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 1.01 dam³

VAL MARIE PUMP NO. 1 - STATION NO. 11AC068

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0.282	0	0	0	0	---	---	1
2	---	---	0	0	0	0.282	0	0	0	0	---	---	2
3	---	---	0	0	0	0.257	0	0	0	0	---	---	3
4	---	---	0	0	0	0.187	0	0	0	0	---	---	4
5	---	---	0	0	0	0.089	0	0	0	0	---	---	5
6	---	---	0	0	0	0	0	0	0	0	---	---	6
7	---	---	0	0	0	0	0	0	0	0	---	---	7
8	---	---	0	0	0	0	0	0	0	0	---	---	8
9	---	---	0	0	0	0	0	0	0	0	---	---	9
10	---	---	0	0	0	0	0	0	0	0	---	---	10
11	---	---	0	0	0	0	0	0	0	0	---	---	11
12	---	---	0	0	0	0	0	0	0	0	---	---	12
13	---	---	0	0	0	0	0.113	0	0	0	---	---	13
14	---	---	0	0	0	0	0.284	0	0	0	---	---	14
15	---	---	0	0	0	0	0.158	0	0	0	---	---	15
16	---	---	0	0	0	0	0.141	0	0	0	---	---	16
17	---	---	0	0	0	0	0.152A	0	0	0	---	---	17
18	---	---	0	0	0	0	0.144E	0	0	0	---	---	18
19	---	---	0	0	0	0	0.139A	0	0	0	---	---	19
20	---	---	0	0	0	0	0.139	0	0	0	---	---	20
21	---	---	0	0	0	0	0.140	0	0	0	---	---	21
22	---	---	0	0	0	0	0.145	0	0	0	---	---	22
23	---	---	0	0	0	0	0.140	0	0	0	---	---	23
24	---	---	0	0	0	0	0.087	0	0	0	---	---	24
25	---	---	0	0	0	0	0	0	0	0	---	---	25
26	---	---	0	0	0.178	0	0.088	0	0	0	---	---	26
27	---	---	0	0	0.284	0	0.205	0	0	0	---	---	27
28	---	---	0	0	0.218	0	0.104	0	0	0	---	---	28
29	---		0	0	0.263	0	0	0	0	0	---	---	29
30	---		0	0	0.284	0	0	0	0	0	---	---	30
31	---		0		0.261		0	0		0		---	31
TOTAL	---	---	0	0	1.506	1.047	2.169	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0.048	0.035	0.070	0	0	0	---	---	MEAN
MAX	---	---	0	0	0.284	0.282	0.284	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.019
MAXIMUM DAILY, 0.284 ON MAY 27
MINIMUM DAILY, 0 ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 21 44 N
LONG 107 50 51 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	187
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	130	NOV	---
JUN	90.5	DEC	---

TOTAL DISCHARGE, 408 dam³

VAN PATTENS CREEK NEAR KUROKI - STATION NO. 05MB011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.290	0.036	0	0.171	0.005	0	---	---	1
2	---	---	0B	0 B	0.215	0.034	0	0.138	0.002	0	---	---	2
3	---	---	0B	0 B	0.185	0.030	0	0.106	0	0	---	---	3
4	---	---	0B	0 B	0.169	0.028	0	0.092	0	0	---	---	4
5	---	---	0B	0 B	0.156	0.026	0	0.078	0	0	---	---	5
6	---	---	0B	0 B	0.133	0.021	0	0.070	0	0	---	---	6
7	---	---	0B	0 B	0.117	0.027	0	0.058	0	0	---	---	7
8	---	---	0B	0 B	0.103	0.024	0	0.050	0	0	---	---	8
9	---	---	0B	0 B	0.096	0.014	0	0.051	0	0	---	---	9
10	---	---	0B	0 B	0.126	0.014	0.004	0.045	0.002	0	---	---	10
11	---	---	0B	0 B	0.138	0.009	0.126	0.035	0.006	0	---	---	11
12	---	---	0B	0 B	0.153	0.008	0.181	0.026	0.005	0	---	---	12
13	---	---	0B	0 B	0.184	0.011	0.164	0.018	0.003	0	---	---	13
14	---	---	0B	0 B	0.214	0.013	0.255	0.006	0.001	0	---	---	14
15	---	---	0B	0 B	0.231	0.010	0.415	0	0	0	---	---	15
16	---	---	0B	0 B	0.254	0.009	0.755	0	0	0	---	---	16
17	---	---	0B	0 B	0.224	0.010	0.873	0	0	0	---	---	17
18	---	---	0B	0 B	0.201	0.010	0.718	0	0	0	---	---	18
19	---	---	0B	0.0018	0.183	0.009	0.507	0	0	0	---	---	19
20	---	---	0B	0.0058	0.172	0.007	0.374	0	0	0	---	---	20
21	---	---	0B	0.0518	0.157	0.003	0.476	0	0	0	---	---	21
22	---	---	0B	3.96 B	0.143	0.001	0.434	0	0	0	---	---	22
23	---	---	0B	4.72	0.126	0	0.474	0	0	0	---	---	23
24	---	---	0B	3.51	0.112	0	0.478	0	0	0	---	---	24
25	---	---	0B	2.44	0.108	0	0.416	0	0	0	---	---	25
26	---	---	0B	1.88	0.105	0	0.412	0	0	0	---	---	26
27	---	---	0B	1.54	0.091	0	0.337	0.039	0	0	---	---	27
28	---	---	0B	0.944	0.068	0	0.333	0.037	0	0	---	---	28
29	---		0B	0.580	0.052	0	0.317	0.020	0	0	---	---	29
30	---		0B	0.408	0.043	0	0.273	0.009	0	0	---	---	30
31	---		0B		0.047		0.217	0.008		0		---	31
TOTAL	---	---	0	20.137	4.586	0.386	8.637	1.051	0.024	B	---	---	TOTAL
MEAN	---	---	0	0.671	0.148	0.012	0.279	0.034	0.001	0	---	---	MEAN
MAX	---	---	0	4.72	0.290	0.038	0.873	0.171	0.006	0	---	---	MAX
MIN	---	---	0	0	0.043	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.142
MAXIMUM DAILY, 4.72 ON APR 23
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
5.82 AT 22:40 CST ON APR 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 52 03 N
LONG 103 35 11 W

DRAINAGE AREA, 113 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	746
FEB	---	AUG	90.8
MAR	0	SEP	2.07
APR	1 740	OCT	0
MAY	396	NOV	---
JUN	31.8	DEC	---

TOTAL DISCHARGE, 3 010 dam³

VIDORA DITCH NEAR CONSUL - STATION NO. 11AB084

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	1.80	0.001E	B	0	0	---	---	1
2	---	---	0	0	0	1.87	0.001E	0	0	0	---	---	2
3	---	---	0	0	0.003	1.86	0.001E	0	0	0	---	---	3
4	---	---	0	0	0.007	1.83	0.001E	0	0	0	---	---	4
5	---	---	0	0	0.008	1.87	0.001A	0	0	0	---	---	5
6	---	---	0	0	0.008	1.61	0	0	0	0	---	---	6
7	---	---	0	0	0.008	0.780	0	0	0	0	---	---	7
8	---	---	0	0	0.008	0.506	0	0	0	0	---	---	8
9	---	---	0	0	0.0128	0.282	0	0	0	0	---	---	9
10	---	---	0	0	0.0048	0.165	0	0	0	0	---	---	10
11	---	---	0	0	0.001B	0.002	0	0	0	0	---	---	11
12	---	---	0	0	0 B	0	0	0	0	0	---	---	12
13	---	---	0	0	0 B	0	0	0	0	0	---	---	13
14	---	---	0	0	0 B	0	0	0	0	0	---	---	14
15	---	---	0	0	0 B	0	0	0	0	0	---	---	15
16	---	---	0	0	0.0058	0	0	0	0	0	---	---	16
17	---	---	0	0	0.0738	0	0	0	0	0	---	---	17
18	---	---	0	0	0.1558	0	0	0	0	0	---	---	18
19	---	---	0	0	0.5078	0	0	0	0	0	---	---	19
20	---	---	0	0	0.8748	0	0.002	0	0	0	---	---	20
21	---	---	0	0	1.5C B	0	0	0	0	0	---	---	21
22	---	---	0	0	1.8E	0	0	0	0	0	---	---	22
23	---	---	0	0	1.8L	0	0	0	0	0	---	---	23
24	---	---	0	0	1.88	0	0	0	0	0	---	---	24
25	---	0	0	0	1.72	0	0	0	0	0	---	---	25
26	---	0	0	0	1.74	0	0	0	0	0	---	---	26
27	---	0	0	0	1.85	0	0	0	0	0	---	---	27
28	---	0	0	0	1.82	0	0	0	0	0	---	---	28
29	---		0	0	1.87	0	0	0	0	0	---	---	29
30	---		0	0	1.83	0	0	0	0	0	---	---	30
31	---		0		1.76		0	0		0		---	31
TOTAL	---	---	0	0	20.923	12.767	0.007	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0.675	0.426	0	0	0	0	---	---	MEAN
MAX	---	---	0	0	1.82	1.87	0.002	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.130
MAXIMUM DAILY, 1.87 ON JUN 8
MINIMUM DAILY, 0 ON MAR 1

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 27 27 N
LONG 100 35 30 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.80
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	1 810	NOV	---
JUN	1 100	DEC	---

TOTAL DISCHARGE, 2 910 dam³

WAKAW LAKE NEAR WAKAW - STATION NO. 05KA012

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	509.405	---	509.330E	509.333	---	---	2
3	---	---	---	---	---	---	509.447	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	509.417	---	---	---	---	5
6	---	---	---	---	---	---	---	509.415	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	509.331	---	---	7
8	---	---	---	---	509.459	---	509.445	---	---	---	---	---	8
9	---	---	---	---	---	---	509.478	---	---	---	---	---	9
10	---	---	---	---	---	509.482	---	---	509.412	509.329	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	509.387	---	---	---	---	13
14	---	---	---	---	---	---	---	509.387	---	---	---	---	14
15	---	---	---	---	---	---	509.450	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	509.426	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	509.372	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	509.497	---	---	509.352	---	---	---	---	21
22	---	---	---	---	---	---	509.480	---	---	---	---	---	22
23	---	---	---	---	---	---	---	509.341	509.350	---	---	---	23
24	---	---	---	---	---	509.502	509.510	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	509.347	509.321	---	---	25
26	---	---	---	---	---	---	---	---	---	509.315	---	---	26
27	---	---	---	---	---	---	---	509.350	---	---	---	---	27
28	---	---	---	---	509.481	---	---	509.349	---	---	---	---	28
29	---		---	---	---	---	509.441	---	---	---	---	---	29
30	---		---	---	---	---	---	---	509.335	---	---	---	30
31	---		---		509.487		509.437	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 38 41 N
LONG 105 37 34 W
DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WALDSEA LAKE NEAR HUMBOLDT - STATION NO. 05KA010

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	532.647	532.720	532.542	532.452	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	532.332	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	532.428	---	---	---	7
8	---	---	---	---	---	---	---	---	532.432	---	---	---	8
9	---	---	---	---	---	532.647	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	532.542	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	532.680	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	532.512	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	532.437	---	---	---	22
23	---	---	---	---	---	532.708	532.804	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	532.647	---	532.802	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	---	---	---	---	---	---	---	---	29
30	---		---	---	---	532.720	---	---	532.335	---	---	---	30
31	---		---		532.647		532.542	532.452		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 16 48 N
LONG 105 11 33 W
DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WASCANA CREEK BELOW KRONAU MARSH - STATION NO. 05JF012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	7.55	0.243	0.003	5.52	0.058	0.003	0.002	---	1
2	---	---	0	0	5.35	0.187	0.001	3.95	0.044	0.007	0.002	---	2
3	---	---	0	0	4.80	0.153	0.079	2.34	0.038	0.008	0.008	---	3
4	---	---	0	0	3.81	0.139	0.282	1.81	0.030	0.006	0.008	---	4
5	---	---	0	0	1.87	0.115	0.298	1.03	0.022	0.005	0.007	---	5
6	---	---	0	0	1.51	0.080	0.250	1.07	0.017	0.005	---	---	6
7	---	---	0	0	1.08	0.058	0.272	1.05	0.018	0.003	---	---	7
8	---	---	0	0	0.748	0.058	0.288	1.03	0.012	0.004	---	---	8
9	---	---	0	0	0.517	0.055	1.05	0.888	0.014	0.002	---	---	9
10	---	---	0	0.226	0.458	0.047	3.48	0.773	0.012	0.002	---	---	10
11	---	---	0	3.02	0.484	0.035	5.31	0.881	0.015	0.001	---	---	11
12	---	---	0	3.42	0.515	0.035	5.74	0.578	0.014	0.002	---	---	12
13	---	---	0	4.09	0.794	0.049	5.11	0.504	0.008	0.003	---	---	13
14	---	---	0	5.11	1.15	0.481	5.13	0.454	0.005	0.003	---	---	14
15	---	---	0	5.23	1.78	1.99	5.07	0.414	0.008	0.003	---	---	15
16	---	---	0	2.42	1.78	3.67	10.8	0.385	0.007	0.004	---	---	16
17	---	---	0	3.78	1.78	4.80	11.1	0.372	0.003	0.004	---	---	17
18	---	---	0	5.82	1.77	4.80	11.5	0.357	0.004	0.011	---	---	18
19	---	---	0	7.67	1.88	4.29	10.2	0.338	0.004	0.011	---	---	19
20	---	---	0	9.82	1.85	2.82	10.8	0.314	0.003	0.008	---	---	20
21	---	---	0	12.4	1.40	1.88	10.9	0.280	0.002	0.005	---	---	21
22	---	---	0	13.3	1.21	1.33	12.3	0.271	0.008	0.005	---	---	22
23	---	---	0	13.5	1.04	1.01	11.8	0.253	0.004	0.002	---	---	23
24	---	---	0	13.1	0.888	0.759	12.8	0.247	0.004	0.005	---	---	24
25	---	---	0	12.4	0.897	0.883	13.4	0.228	0.003	0.007	---	---	25
26	---	---	0	10.5	0.821	0.399	13.1	0.202	0.003	0.005	---	---	26
27	---	---	0	8.86	0.697	0.263	11.4	0.174	0.002	0.004	---	---	27
28	---	---	0	8.45	0.788	0.184	10.3	0.148	0.004	0.005	---	---	28
29	---		0	8.27	0.884	0.060	8.31	0.122	0.008	0.004	---	---	29
30	---		0	8.07	0.422	0.023	8.48	0.104	0.008	0.004	---	---	30
31	---		0		0.312		7.34	0.081		0.005			31
TOTAL	---	---	0	166.886	61.243	30.387	239.773	26.884	0.382	0.185	---	---	TOTAL
MEAN	---	---	0	5.33	1.88	1.01	7.12	0.829	0.013	0.005	---	---	MEAN
MAX	---	---	0	13.5	7.55	4.80	12.4	5.52	0.058	0.011	---	---	MAX
MIN	---	---	0	0	0.312	0.023	0.001	0.081	0.002	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.58
MAXIMUM DAILY, 13.5 ON APR 23
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
13.8 AT 08:00 CST ON JUL 25

DATA CONTRIBUTED BY
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 21 07 N
LONG 104 26 03 W
DRAINAGE AREA, 3 070 km²

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	19 100
FEB	---	AUG	2 220
MAR	0	SEP	33.0
APR	13 800	OCT	13.4
MAY	4 430	NOV	---
JUN	2 820	DEC	---

TOTAL DISCHARGE, 42 000 dam³

WASCANA CREEK NEAR LUMSDEN - STATION NO. 05JF005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.5708	0.4308	0.8308	2.188	12.5	1.80	1.30	13.8	0.849	0.508	0.882	0.1058	1
2	0.8088	0.4308	0.8508	4.418	11.8	1.78	3.35	12.1	0.742	0.493	0.714	0.0858	2
3	0.5148	0.4308	0.8608	5.388	10.9	1.65	2.44	10.6	0.645	0.539	0.885	0.0888	3
4	0.8238	0.4308	0.8408	4.588	9.71	1.60	2.15	9.15	0.635	0.489	0.709	0.0885	4
5	1.10 B	0.4308	0.8308	4.308	8.45	1.48	1.49	8.57	0.765	0.488	1.00	0.0858	5
6	0.9488	0.4308	0.8208	5.308	8.72	1.44	1.32	3.28	0.886	0.470	0.888	0.0838	6
7	0.7788	0.4308	0.8108	7.808	4.75	1.42	1.23	3.33	0.755	0.489	0.792	0.0818	7
8	0.8938	0.4338	0.8008	8.118	3.81	1.35	1.44	3.10	0.885	0.488	0.884	0.0788	8
9	0.7648	0.4368	0.7908	6.448	3.09	1.33	1.84	2.95	0.817	0.502	1.03	0.0718	9
10	0.8338	0.4388	0.7808	5.828	2.75	1.24	28.2	2.82	1.74	0.519	1.05	0.0888	10
11	0.6688	0.4608	0.7808	4.788	3.08	1.25	33.6	2.73	2.32	0.500	1.01	0.0838	11
12	0.5028	0.4608	0.8008	5.188	2.51	1.24	19.1	2.33	1.45	0.538	1.00	0.0838	12
13	0.5088	0.4608	0.8005	3.788	2.47	1.34	13.0	2.83	1.85	0.533	1.01	0.0828	13
14	0.4428	0.5008	0.8108	5.378	5.89	2.22	9.30	2.80	1.29	0.522	1.08	0.0808	14
15	0.4888	0.5108	0.8208	6.788	4.83	1.38	8.75	2.85	1.25	0.524	1.02	0.0878	15
16	0.4848	0.5308	0.8248	10.6 B	3.16	1.18	10.4	2.54	1.53	0.545	0.853	0.4838	16
17	0.5628	0.5508	0.8508	10.7 B	3.08	1.08	11.1	1.87	1.08	0.586	0.813	0.3918	17
18	0.4938	0.5708	0.8008	9.818	3.03	1.07	12.0	1.27	1.01	0.573	0.776	0.5318	18
19	0.4848	0.5908	1.00 B	8.148	3.04	1.52	12.8	1.14	0.988	0.567	0.784	0.4508	19
20	0.5188	0.8108	1.10 B	7.78	2.98	2.13	13.8	1.07	0.842	0.551	0.728	0.4488	20
21	0.8178	0.6308	1.00 B	8.47	3.80	3.22	18.4	1.04	1.20	0.550	0.6488	0.3818	21
22	0.4888	0.6808	0.8788	10.0	2.82	3.58	17.8	0.981	1.03	0.734	0.6438	0.3808	22
23	0.4688	0.6908	0.8508	12.4	2.81	4.34	16.6	0.886	0.783	0.624	0.6809	0.3988	23
24	0.4548	0.7208	0.8508	15.3	2.78	3.80	16.3	0.830	0.857	0.587	0.5348	0.4008	24
25	0.4508	0.7808	0.8808	15.8	2.83	2.83	16.3	0.906	0.423	0.512	0.3288	0.4088	25
26	0.4488	0.7808	1.05 B	20.2	2.38	5.84	16.1	0.886	0.242	0.853	0.2378	0.4108	26
27	0.4488	0.8008	1.10 B	20.1	2.24	2.48	15.1	1.12	0.183	0.850	0.1888	0.4158	27
28	0.4428	0.8188	1.24 B	18.2	1.98	2.04	15.2	0.893	0.294	0.645	0.1468	0.4208	28
29	0.4408		1.38 B	15.0	1.87	1.77	15.4	0.872	0.702	0.577	0.1288	0.4308	29
30	0.4388		1.55 B	13.2	1.83	1.40	15.8	0.881	0.551	0.885	0.1178	0.4408	30
31	0.4348		1.82 B		1.84		15.8	0.987		0.886		0.4508	31
TOTAL	17.480	15.412	30.028	280.88	135.10	61.88	373.74	130.410	28.243	18.387	21.276	8.189	TOTAL
MEAN	0.884	0.550	0.888	9.37	4.28	2.06	12.1	3.24	0.941	0.592	0.709	0.263	MEAN
MAX	1.10	0.815	1.82	20.2	12.5	5.84	33.6	13.8	2.32	0.886	1.08	0.680	MAX
MIN	0.434	0.430	0.780	2.18	1.83	1.07	1.23	0.872	0.183	0.488	0.117	0.080	MIN

SUMMARY FOR THE YEAR 1983

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.89
MAXIMUM DAILY, 33.6 ON JUL 11
MINIMUM DAILY, 0.0808 ON DEC 14
MAXIMUM INSTANTANEOUS,
37.6 AT 18:07 CST ON JUL 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 38 10 N
LONG 104 54 35 W
DRAINAGE AREA, 4 800 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 510	JUL	33 300
FEB	1 320	AUG	8 980
MAR	2 580	SEP	3 400
APR	24 300	OCT	1 590
MAY	11 700	NOV	1 840
JUN	5 320	DEC	705

TOTAL DISCHARGE, 84 300 dam³

WASCANA CREEK NEAR SEDLEY - STATION NO. 05JF004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR		MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0	B	1.44	0.288	0.877	1.77	0.032	0.011	0.001	---	1
2	---	---	0B	0	B	1.18	0.285	0.980	1.88	0.013	0.012	0.001	---	2
3	---	---	0B	0	B	0.952	0.233	0.895	2.14	0.006	0.013	0.008	---	3
4	---	---	0B	0	B	0.766	0.214	0.382	1.75	0.005	0.012	0.005	---	4
5	---	---	0B	0	B	0.575	0.195	0.240	1.55	0.005	0.010	0.007	---	5
6	---	---	0B	0	B	0.455	0.188	0.152	1.40	0.004	0.008	0.005	---	6
7	---	---	0B	0	B	0.358	0.145	0.081	1.23	0.002	0.008	0.005	---	7
8	---	---	0B	0	B	0.475	0.124	0.062	1.08	0.001	0.007	0.005	---	8
9	---	---	0B	0	B	0.842	0.103	0.324	0.978	0.004	0.007	0.004A	---	9
10	---	---	0B	0	B	1.01	0.077	1.42	0.883	0.004	0.008	---	---	10
11	---	---	0B	0.0348		1.13	1.85	7.82	0.781	0.005	0.006	---	---	11
12	---	---	0B	0.0068		1.20	5.45	5.85	0.708	0.008	0.007	---	---	12
13	---	---	0B	1.42	B	1.10	5.38	3.33	0.634	0.008	0.010	---	---	13
14	---	---	0B	1.84	B	1.38	3.87	2.02	0.584	0.008	0.014	---	---	14
15	---	---	0B	1.27	B	1.31	1.80	1.38	0.488	0.010	0.018	---	---	15
16	---	---	0B	1.78	B	1.36	1.32	0.987	0.427	0.017	0.018	---	---	16
17	---	---	0B	4.25	B	1.38	0.988	0.827	0.383	0.013	0.016	---	---	17
18	---	---	0B	8.72	B	1.35	0.795	0.674	0.308	0.008	0.013	---	---	18
19	---	---	0B	28.5		1.08	0.631	0.388	0.271	0.008	0.012	---	---	19
20	---	---	0B	19.6		0.980	0.388	0.332	0.245	0.008	0.011	---	---	20
21	---	---	0B	14.9		0.885	0.302	2.88	0.214	0.008	0.010	---	---	21
22	---	---	0B	13.3		0.788	0.250	1.81	0.183	0.008	0.009	---	---	22
23	---	---	0B	9.38		0.887	0.208	0.988	0.182	0.008	0.008	---	---	23
24	---	---	0B	6.78		0.887	0.188	0.488	0.137	0.008	0.007	---	---	24
25	---	---	0B	5.03		0.678	0.148	0.271	0.111	0.008	0.008	---	---	25
26	---	---	0B	3.76		0.511	0.101	0.208	0.088	0.004	0.008	---	---	26
27	---	---	0B	2.89		0.449	0.073	0.147	0.078	0.003	0.008	---	---	27
28	---	---	0B	2.32		0.358	0.058	0.115	0.088	0.003	0.003	---	---	28
29	---		0B	1.83		0.284	0.038	0.088	0.047	0.002	0.002	---	---	29
30	---		0B	1.71		0.332	0.134	0.088	0.038	0.007	0.002	---	---	30
31	---		0B			0.314		0.703	0.028		0.001		---	31
TOTAL	---	---	0	138.810		25.789	28.054	35.878	20.887	0.287	0.378	---	---	TOTAL
MEAN	---	---	0	4.29		0.831	0.935	1.16	0.887	0.007	0.009	---	---	MEAN
MAX	---	---	0	28.5		1.44	5.45	7.83	2.14	0.032	0.018	---	---	MAX
MIN	---	---	0	0		0.314	0.038	0.062	0.028	0.001	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.877
MAXIMUM DAILY, 28.5 ON APR 19
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
29.3 AT 08:48 CST ON APR 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 08 10 N
LONG 104 01 50 W
DRAINAGE AREA, 1 020 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1980

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 070
FEB	---	AUG	1 790
MAR	0	SEP	17.0
APR	11 100	OCT	34.0
MAY	2 230	NOV	---
JUN	2 420	DEC	---

TOTAL DISCHARGE, 20 700 dam³

WASCANA LAKE AT THE MARINA - STATION NO. 05JF015

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	570.881	570.884	570.890	570.844	571.015	570.871	570.880	570.788	570.804	570.812	570.887	570.818	1
2	570.882	570.885	570.892	570.883	570.980	570.880	570.871	570.720	570.885	570.813	570.810	570.818	2
3	570.883	570.885	570.895	570.886	570.948	570.852	570.880	570.822	570.877	570.812	570.808	570.817	3
4	570.883	570.885	570.897	570.881	570.905	570.850	570.853	570.805	570.880	570.810	570.881	570.815	4
5	570.884	570.888	570.898	570.887	570.852	570.845	570.848	570.748	570.871	570.804	570.886	570.814	5
6	570.885	570.886	570.898	570.889	570.804	570.840	570.842	570.748	570.887	570.810	570.892	570.812	6
7	570.885	570.886	570.811	570.871	570.778	570.833	570.844	570.743	570.878	570.810	570.886	570.810	7
8	570.886	570.885	570.888	570.877	570.748	570.832	570.848	570.738	570.876	570.812	570.887	570.808	8
9	570.886	570.885	570.807	570.881	570.733	570.828	570.813	570.735	570.811	570.811	570.812	570.808	9
10	570.888	570.884	570.804	570.781	570.718	570.818	571.025	570.717	570.820	570.807	570.810	570.807	10
11	570.885	570.885	570.805	570.718	570.708	570.813	570.842	570.881	570.844	570.800	570.818	570.808	11
12	570.884	570.885	570.809	570.781	570.705	570.821	570.831	570.813	570.849	570.810	570.805	570.805	12
13	570.884	570.888	570.811	570.837	570.738	570.837	570.783	570.870	570.844	570.813	570.804	570.806	13
14	570.882	570.873	570.813	570.821	570.782	570.828	570.778	570.821	570.840	570.812	570.804	570.802	14
15	570.882	570.878	570.811	570.888	570.788	570.831	570.781	570.488	570.841	570.807	570.808	570.801	15
16	570.882	570.878	570.808	570.880	570.785	570.838	570.804	570.821	570.838	570.887	570.810	570.800	16
17	570.883	570.878	570.806	570.887	570.788	570.880	570.834	570.884	570.880	570.887	570.804	570.888	17
18	570.882	570.878	570.805	570.882	570.788	570.734	570.858	570.871	570.884	570.808	570.803	570.888	18
19	570.881	570.878	570.804	570.886	570.788	570.773	570.867	570.881	570.887	570.808	570.808	570.887	19
20	570.883	570.878	570.803	570.833	570.748	570.782	570.832	570.881	570.810	570.801	570.808	570.887	20
21	570.884	570.878	570.802	570.882	570.741	570.788	571.015	570.811	570.813	570.888	570.813	570.887	21
22	570.884	570.880	570.802	571.077	570.728	570.881	570.881	570.820	570.818	570.888	570.814	570.888	22
23	570.886	570.880	570.803	571.181	570.738	570.877	570.884	570.822	570.818	570.888	570.818	570.888	23
24	570.887	570.883	570.801	571.252	570.728	570.708	570.848	570.828	570.818	570.888	570.818	570.884	24
25	570.888	570.883	570.801	571.277	570.718	570.733	570.844	570.823	570.813	570.887	570.822	570.884	25
26	570.888	570.888	570.800	571.257	570.702	570.718	570.886	570.828	570.810	570.880	570.828	570.888	26
27	570.887	570.888	570.800	571.184	570.686	570.701	570.887	570.884	570.804	570.888	570.828	570.887	27
28	570.888	570.888	570.800	571.103	570.881	570.888	570.821	570.828	570.887	570.888	570.823	570.887	28
29	570.884		570.803	571.087	570.880	570.872	570.804	570.822	570.888	570.882	570.834	570.888	29
30	570.884		570.814	571.028	570.884	570.888	570.882	570.817	570.888	570.881	570.823	570.888	30
31	570.884		570.823		570.878		570.842	570.810		570.888		570.888	31
MEAN	570.884	570.874	570.881	570.888	570.788	570.872	570.824	570.828	570.888	570.804	570.811	570.883	MEAN
MAX	570.888	570.888	570.833	571.277	571.015	570.782	571.025	570.788	570.848	570.813	570.828	570.818	MAX
MIN	570.881	570.884	570.800	570.844	570.878	570.813	570.842	570.488	570.887	570.888	570.888	570.884	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MEAN, 570.888
MAXIMUM DAILY, 571.277 ON APR 25
MINIMUM DAILY, 570.488 ON AUG 15
MAXIMUM INSTANTANEOUS,
571.288 AT 03:30 CST ON APR 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 25 50 N
LONG 104 38 17 W

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WATERBURY LAKE AT CREW CABIN - STATION NO. 07LB001

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	29.183	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	29.383	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	29.171	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	---	---	---	---	---	---	---	---	29
30	---		---	---	---	---	---	---	---	---	---	---	30
31	---		---		---		---	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - MANUAL
LOCATION - LAT 58 13 00 N
LONG 104 13 00 W

NATURAL FLOW

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

WATERFOUND RIVER BELOW UNKNOWN LAKE - STATION NO. 07LB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	18.6	18.4	18.5	18.9	17.5	18.9	20.6	20.7	19.2	23.4	21.5	21.4	1
2	18.6	18.4	18.4	18.8	18.0	18.6	20.3	20.8	19.2	23.2	21.6	21.3	2
3	18.6	18.4	18.6	18.9	17.9	18.9	20.0	20.8	19.5	22.9	21.4	21.2	3
4	18.6	18.3	18.5	18.9	17.8	18.8	19.5	20.4	19.6	23.1	21.5	21.1	4
5	18.5	18.3	18.5	18.9	17.8	18.8	19.5	20.2	19.4	22.9	21.5	20.9	5
6	18.8	18.3	18.5	18.9	17.9	18.9	19.7	20.1	19.6	21.8	21.8	21.0	6
7	18.6	18.3	18.5	18.8	17.9	19.0	19.8	20.0	19.7	21.8	21.8	21.0	7
8	18.6	18.3	18.5	18.9	18.0	19.2	19.8	20.0	21.7	21.8	21.6	20.8	8
9	18.5	18.0	18.5	18.9	18.2	19.3	19.7	19.8	21.8	21.7	21.5	20.6	9
10	18.5	18.0	18.5	18.2	18.2	19.4	19.6	19.4	22.1	21.6	21.4	20.5E	10
11	18.5	18.0	18.4	18.2	18.3	19.6	19.3	19.2	21.5	21.4	21.4	20.0E	11
12	18.5	18.0	18.3	18.3	18.2	20.1	19.3	19.7	21.4	21.3	21.5	20.0E	12
13	18.5	18.2	18.3	18.2	18.1	20.3	19.3	19.3	21.6	21.2	21.6	20.0A	13
14	18.5	18.2	18.3	18.2	18.0	20.7	19.2	19.1	21.8	21.3	21.8	20.0	14
15	18.5	18.2	18.3	18.1	18.0	20.8	19.3	19.0	21.8	21.7	21.8	20 7	15
16	18.5	18.2	18.3	18.3	18.0	21.0	19.3	18.9	21.8	21.8	22.0	20.8	16
17	18.5	18.2	18.3	18.3	18.5	21.0	20.2	18.9	22.0	21.4	22.2	20.6	17
18	18.4	18.3	18.3	18.4	18.8	21.3	19.9	18.9	22.5	21.5	22.2	20.5	18
19	18.4	18.3	18.3	18.5	18.5	21.4	19.8	19.0	23.8	21.8	22.2	20.5	19
20	18.4	18.3	18.4	18.5	18.8	21.3	19.8	19.3	24.0	21.8	22.3	20.4	20
21	18.4	18.3	18.3	18.8	18.9	21.3	19.8	19.5	24.0	21.8	22.1	20.4	21
22	18.4	18.1	18.4	18.8	18.8	21.0	19.7	19.4	24.0	21.8	22.0	20.3	22
23	18.4	18.1	18.1	18.8	18.7	21.0	19.8	19.4	24.7	21.8	22.0	20.2	23
24	18.4	18.1	18.0	17.1	18.7	21.1	20.1	19.3	24.5	21.5	21.8	20.3	24
25	18.4	18.2	18.0	17.4	18.8	21.2	20.1	19.2	24.5	21.4	21.9	20.5	25
26	18.3	18.5	18.0	17.4	18.8	20.6	20.1	19.0	24.5	21.4	21.8	20.5	26
27	18.3	18.5	18.0	17.3	18.9	20.7	20.6	18.9	23.9	21.4	21.8	20.6	27
28	18.3	18.5	18.0	17.4	18.9	21.0	21.2	19.0	23.7	21.5	21.5	20.5	28
29	18.4		18.0	17.4	18.8	21.1	21.3	18.9	23.7	21.5	21.5	20.5	29
30	18.4		18.0	17.4	18.0	21.2	21.1	18.8	23.5	21.6	21.5	20.5	30
31	18.4		18.0		18.9		20.8	19.2		21.6		20.4	31
TOTAL	570.4	484.8	564.6	483.7	568.7	607.8	618.1	603.6	685.3	675.2	652.6	640.6	TOTAL
MEAN	18.4	18.2	18.2	18.8	18.4	20.3	20.0	19.5	22.2	21.8	21.8	20.7	MEAN
MAX	18.8	18.5	18.6	17.4	18.0	21.4	21.3	20.8	24.7	23.4	22.2	21.4	MAX
MIN	18.3	18.0	18.0	18.8	17.8	18.8	19.2	18.8	19.2	21.2	21.4	20.2	MIN

SUMMARY FOR THE YEAR 1983

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 19.2
MAXIMUM DAILY, 24.7 ON SEP 23
MINIMUM DAILY, 15.8 ON MAR 28
MAXIMUM INSTANTANEOUS,
26.7 AT 16:20 CST ON SEP 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 33 10 N
LONG 104 36 30 W
DRAINAGE AREA, 3 180 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	64 100	JUL	53 500
FEB	39 300	AUG	53 200
MAR	63 600	SEP	67 500
APR	43 700	OCT	58 200
MAY	49 200	NOV	58 400
JUN	52 500	DEC	55 200

TOTAL DISCHARGE, 605 000 dam³

WATERHEN LAKE NEAR DORINTOSH - STATION NO. 05AF007

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	472.496	---	---	---	---	---	---	1
2	---	---	---	---	---	472.493E	---	---	---	---	472.781	---	2
3	---	---	---	---	---	472.491	---	472.785	---	---	---	---	3
4	---	---	---	---	---	472.490	---	---	---	---	---	---	4
5	---	---	---	---	---	472.490	472.853	472.778	---	---	---	---	5
6	---	---	---	---	---	472.490	472.853	472.778	---	---	---	---	6
7	---	---	---	---	---	472.490	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	472.771	---	---	---	---	8
9	---	---	---	---	---	---	472.899	472.775	---	---	---	---	9
10	---	---	---	---	---	472.490	472.868	472.783	---	---	---	---	10
11	---	---	---	---	---	472.490	472.885	---	---	---	---	---	11
12	---	---	---	---	---	---	472.810	---	---	---	---	---	12
13	---	---	---	---	---	472.488	472.810	472.792	---	---	---	---	13
14	---	---	---	---	---	---	472.820	---	---	---	---	---	14
15	---	---	---	---	---	472.488	---	472.795	---	---	---	---	15
16	---	---	---	---	---	472.488	472.832	472.801	---	---	---	---	16
17	---	---	---	---	---	472.488	---	---	---	---	---	---	17
18	---	---	---	---	---	472.488	472.835	---	---	---	---	---	18
19	---	---	---	---	---	---	472.835	472.801	---	---	---	---	19
20	---	---	---	---	---	---	472.860	472.801	---	---	---	---	20
21	---	---	---	---	---	472.484	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	472.801	---	---	---	---	22
23	---	---	---	---	---	472.484	472.883	472.802	---	---	---	---	23
24	---	---	---	---	---	472.484	472.888	---	---	---	---	---	24
25	---	---	---	---	---	---	---	472.802	---	---	---	---	25
26	---	---	---	---	---	---	472.710	472.802	---	---	---	---	26
27	---	---	---	---	---	472.500	---	472.802	---	---	---	---	27
28	---	---	---	---	---	472.500	472.710	472.805	---	---	---	---	28
29	---		---	---	---	472.531	472.710	---	---	---	---	---	29
30	---		---	---	---	472.531	---	472.805	---	---	---	---	30
31	---		---		---		472.736	472.802		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 27 45 N
LONG 108 31 10 W
DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WATERHEN RIVER NEAR GOODSOIL - STATION NO. 05AF005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	8.148	7.788	7.79	7.53	8.42	8.48	8.87	11.7	10.3	9.15	8.09	8.02	1
2	8.058	7.698	7.68	7.38	8.87	8.50	10.3	11.8	10.5	9.04	7.88	7.93	2
3	8.118	7.698	7.83	7.52	8.86	8.28	10.5	11.7	10.6	8.86	8.05	8.00	3
4	8.138	7.818	7.74	7.58	8.52	8.11	10.4	12.0	10.4	8.96	8.34	7.94	4
5	7.978	7.588	7.64	7.58	8.38	8.18	10.4	11.8	10.9	9.03	8.46	7.86	5
6	7.908	7.808	7.54	7.58	8.31	8.12	10.4	11.9	11.0	8.72	8.01	7.92	6
7	7.748	7.688	7.64	7.71	8.38	8.55	10.5	12.0	10.9	8.70	8.20	7.98	7
8	7.748	7.558	7.46	8.11	8.89	8.18	10.6	11.8	10.6	8.57	7.97	7.85	8
9	7.778	7.578	7.24	8.10	8.88	8.17	11.3	11.8	10.5	8.87	8.01	7.88	9
10	7.728	7.528	7.27	7.78	8.86	8.16	11.3	11.5	10.5	8.88	7.85	7.87	10
11	8.008	7.678	7.41	8.01	8.91	8.41	11.2	11.2	10.3	8.86	7.82	7.88	11
12	7.788	7.788	7.48	8.06	8.92	8.16	11.1	11.8	10.2	8.82	7.88	7.89	12
13	7.668	7.648	7.33	8.09	8.79	8.30	11.1	11.8	9.91	8.42	8.06	7.86	13
14	7.708	7.858	8.98	8.25	8.71	8.17	11.0	11.4	9.88	8.08	8.09	7.90	14
15	7.758	7.828	7.48	8.20	8.83	7.88	11.3	11.2	9.83	8.88	7.88	7.42	15
16	7.888	8.458	7.53	8.21	8.88	7.84	11.2	11.1	10.2	8.82	7.88	7.43	16
17	8.078	7.838	7.38	8.42	8.80	7.85	11.8	11.1	10.8	8.17	8.08	7.38	17
18	7.738	8.108	7.38	8.40	8.82	7.34	11.1	11.2	10.8	8.08	8.17	7.18	18
19	7.678	7.72	7.32	8.53	8.31	7.38	11.0	10.8	10.4	8.01	8.19	7.09	19
20	7.888	7.67	7.28	8.48	8.28	7.89	10.8	10.9	10.1	8.12	8.15	7.04	20
21	7.888	7.83	7.34	8.48	8.80	7.88	11.8	10.8	9.84	8.08	8.17	8.89	21
22	7.808	7.80	7.31	8.75	8.31	7.84	11.8	10.3	9.84	8.12	8.08	8.88	22
23	7.788	7.71	7.38	8.88	8.21	7.70	11.7	10.5	9.84	8.27	8.08	8.88	23
24	7.728	7.84	7.48	8.83	8.08	7.73	11.7	10.4	9.80	8.20	8.03	8.838	24
25	7.888	7.84	7.47	8.06	8.83	8.83	11.7	10.5	9.74	8.18	8.07	7.838	25
26	7.578	7.78	7.43	8.25	8.05	8.18	12.1	10.4	9.88	8.07	8.05	7.188	26
27	7.808	7.73	7.44	8.18	8.81	8.28	12.5	10.4	9,83	8.08	7.88	7.248	27
28	7.648	7.77	7.48	8.28	8.80	8.72	11.9	10.2	9.88	7.98	7.83	7.178	28
29	7.808		7.61	8.18	8.88	10.0	11.9	10.4	9.33	7.88	8.03	7.058	29
30	7.898		7.48	8.12	8.42	10.0	12.0	10.3	9.26	7.90	8.04	7.038	30
31	7.818		7.82		8.34		11.8	10.5		8.00		7.038	31
TOTAL	241.31	218.88	231.03	249.83	280.08	248.51	347.87	345.0	305.41	280.42	240.91	230.05	TOTAL
MEAN	7.78	7.78	7.45	8.32	8.38	8.32	11.2	11.1	10.2	8.40	8.03	7.42	MEAN
MAX	8.14	8.45	7.79	8.28	8.92	10.0	12.5	12.0	11.0	9.15	8.48	8.02	MAX
MIN	7.58	7.58	8.98	7.38	8.34	7.34	8.87	10.2	9.26	7.98	7.82	8.89	MIN

SUMMARY FOR THE YEAR 1983

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.78
MAXIMUM DAILY, 12.5 ON JUL 27
MINIMUM DAILY, 8.88 ON DEC 23
MAXIMUM INSTANTANEOUS,
12.8 AT 05:53 CST ON JUL 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 28 45 N
LONG 108 13 21 W
DRAINAGE AREA, 7 770 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	20 000	JUL	30 100
FEB	18 700	AUG	28 600
MAR	20 000	SEP	26 400
APR	21 600	OCT	22 500
MAY	25 100	NOV	20 000
JUN	21 600	DEC	19 900

TOTAL DISCHARGE, 277 000 dam³

WAITAHANA RIVER BELOW WAITAHANA LAKE - STATION NO. 05DC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	28.6	25.5	22.7	20.2	43.7	96.8	116	85.2	89.5	151	101	77.0	1
2	28.3	25.3	22.4	20.2	44.7	93.8	114	83.7	89.3	149	102	76.3	2
3	28.1	25.2	22.4	20.2	48.0	71.5	109	83.6	72.5	150	101	74.5	3
4	28.1	25.0	22.4	20.0	47.2	78.3	107	85.2	78.5	149	97.5	73.9	4
5	28.0	24.8	22.2	19.7	48.2	81.6	106	84.2	78.5	147	96.9	72.9	5
6	28.9	24.6	22.1	19.7	49.5	86.1	104	83.5	80.2	147	97.1	71.8	6
7	28.8	24.2	22.0	19.7	50.4	89.5	102	82.1	81.0	147	95.2	71.3	7
8	28.7	24.1	22.0	19.8	51.4	92.8	100	82.0	81.9	145	94.4	70.2	8
9	28.6	24.0	21.8	19.8	51.5	97.4	98.8	80.4	82.3	144	93.0	88.7	9
10	28.5	23.9	21.8	19.8	51.6	101	98.4	80.3	82.7	140	91.7	87.4	10
11	28.4	23.8	21.7	20.0	52.8	103	94.4	78.4	84.1	138	90.7	86.5	11
12	28.2	23.8	21.7	19.8	53.3	107	92.8	78.8	84.8	137	90.4	86.1	12
13	27.5	23.8	21.8	20.0	57.2	112	91.3	77.8	85.3	134	90.0	85.8	13
14	27.9	23.8	21.8	19.8	63.6	116	89.7	75.9	85.2	132	89.2	85.1	14
15	27.8	23.8	21.5	19.9	64.6	125	88.0	74.0	87.1	132	88.8	83.9	15
16	27.6	23.7	21.4	19.9	65.1	130	87.9	74.5	86.9	127	88.0	82.9	16
17	27.5	23.7	21.4	19.7	65.6	132	86.7	73.6	86.8	126	87.0	82.0	17
18	27.3	23.6	21.4	19.7	65.7	134	87.4	72.5	89.1	126	86.2	81.0	18
19	27.1	23.4	21.4	20.0	66.6	134	86.3	71.3	101	125	85.7	80.1	19
20	27.0	23.3	21.2	20.7	66.9	132	85.5	73.6	113	121	85.0	89.1	20
21	27.0	23.2	21.1	22.4	67.1	131	84.2	72.9	121	119	84.5	88.2	21
22	27.0	23.2	20.9	25.2	68.2	131	82.6	73.1	130	117	84.0	87.6	22
23	26.8	23.1	20.8	28.4	68.4	132	84.3	72.4	134	118	83.2	86.8	23
24	26.7	23.1	20.7	31.0	67.0	131	83.0	72.2	138	114	82.4	85.7	24
25	26.6	23.1	20.7	33.1	67.2	129	82.1	71.5	142	112	81.7	88.1	25
26	26.4	23.0	20.6	35.1	66.8	126	81.4	70.8	144	111	81.4	84.5	26
27	26.2	23.8	20.6	37.1	66.3	125	84.8	70.8	145	108	80.7	83.6	27
28	26.8	23.7	20.5	38.8	66.4	123	84.4	70.8	147	108	79.6	82.7	28
29	25.8		20.3	40.7	66.0	121	85.8	70.0	151	107	78.8	82.1	29
30	25.8		20.3	42.4	66.2	118	85.7	69.8	152	105	78.3	81.6	30
31	25.8		20.3		64.9		84.9	69.6		103		81.0	31
TOTAL	866.8	667.5	662.5	733.4	1 848.7	3 308.9	2 889.5	2 385.2	3 080.6	3 987	2 885.4	1 984.0	TOTAL
MEAN	27.6	23.8	21.4	24.4	63.2	110	92.8	76.3	103	129	86.8	83.0	MEAN
MAX	29.6	25.5	22.7	42.4	67.2	134	116	85.2	152	151	102	77.0	MAX
MIN	25.8	22.7	20.3	19.7	43.7	86.9	81.4	69.6	89.3	103	78.3	81.0	MIN

SUMMARY FOR THE YEAR 1983

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 87.9
MAXIMUM DAILY, 152 ON SEP 30
MINIMUM DAILY, 19.7 ON APR 5
MAXIMUM INSTANTANEOUS,
154 AT 15:24 CST ON SEP 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 05 20 N
LONG 103 42 40 W
DRAINAGE AREA, 10 200 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	73 900	JUL	248 000
FEB	57 700	AUG	204 000
MAR	57 300	SEP	258 000
APR	63 400	OCT	344 000
MAY	142 000	NOV	230 000
JUN	286 000	DEC	169 000

TOTAL DISCHARGE, 2 140 000 dam³

WEYBURN INDEX RESERVOIR - STATION NO 05NB024

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	28.440E	28.490E	29.359	29.305	29.159	28.944	28.714	28.635	28.582A	---	1
2	---	---	---	28.510E	29.354	29.300	29.155	28.937	28.705	28.637	---	---	2
3	---	---	---	28.540E	29.348	29.291	29.149	28.929	28.696	28.637	---	---	3
4	---	---	---	28.580E	29.340	29.283	29.140	28.919	28.688	28.635	---	---	4
5	---	---	---	28.630E	29.335	29.277	29.133	28.909	28.684	28.632	---	---	5
6	---	---	---	28.690E	29.330	29.270	29.126	28.896	28.677	28.631	---	---	6
7	---	---	---	28.760E	29.324	29.264	29.120	28.885	28.671	28.629	---	---	7
8	---	---	---	28.850E	29.317	29.261	29.109	28.874	28.663	28.627	---	---	8
9	---	---	---	29.080E	29.323	29.255	29.103	28.885	28.659	28.628	---	---	9
10	---	---	---	29.350E	29.326	29.249	29.105	28.887	28.667	28.624	---	---	10
11	---	---	---	29.640A	29.320	29.241	29.098	28.844	28.683	28.621	---	---	11
12	---	---	---	29.625E	29.329	29.262	29.089	28.832	28.684	28.630	---	---	12
13	---	---	---	29.605E	29.346	29.252	29.082	28.821	28.680	28.618	---	---	13
14	---	---	---	29.585A	29.354	29.247	29.072	28.812	28.669	28.616	---	---	14
15	---	---	---	29.562A	29.364	29.243	29.068	28.801	28.674	28.614	---	---	15
16	---	---	---	29.497A	29.371	29.235	29.070	28.781	28.672	28.611	---	---	16
17	---	---	---	29.474	29.376	29.227	29.063	28.782	28.671	28.608	---	---	17
18	---	---	---	29.464	29.378	29.218	29.057	28.772	28.682	28.605	---	---	18
19	---	---	---	29.458	29.378	29.214	29.055	28.781	28.684	28.603	---	---	19
20	---	---	---	29.438	29.378	29.207	29.049	28.755	28.669	28.602	---	---	20
21	---	---	---	29.418	29.377	29.201	29.045	28.748	28.665	28.601	---	---	21
22	---	---	---	29.408	29.372	29.205	29.038	28.744	28.661	28.599	---	---	22
23	---	---	---	29.395	29.368	29.199	29.029	28.745	28.638	28.599	---	---	23
24	---	---	---	29.390	29.364	29.192	29.017	28.742	28.628	28.595	---	---	24
25	---	---	---	29.387	29.358	29.185	29.008	28.737	28.634	28.594	---	---	25
26	---	---	---	29.384	29.348	29.175	29.001	28.731	28.631	28.592	---	---	26
27	---	---	---	29.378	29.340	29.168	28.992	28.726	28.628	28.589	---	---	27
28	---	---	---	29.373	29.331	29.161	28.981	28.718	28.623	28.588	---	---	28
29	---		---	29.368	29.321	29.154	28.971	28.736	28.618	28.585	---	---	29
30	---		---	29.383	29.315	29.160	28.982	28.729	28.626	28.584	---	---	30
31	---		28.480E		29.312		28.951	28.722		28.583		---	31
MEAN	---	---	---	29.222	29.347	29.230	29.084	28.808	28.669	28.611	---	---	MEAN
MAX	---	---	---	29.640	29.378	29.305	29.159	28.944	28.714	28.637	---	---	MAX
MIN	---	---	---	28.490	29.312	29.154	28.951	28.718	28.618	28.583	---	---	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MAXIMUM DAILY, 29.640A ON APR 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 33 42 N
LONG 103 40 28 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

WEYBURN RESERVOIR NEAR WEYBURN - STATION NO. 05HD030

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	582.824	582.778	582.761	582.804	583.271	583.290	583.242	583.381	583.258	583.122	583.041	582.983	1
2	582.823	582.778	582.760	582.812	583.328	583.278	583.232	583.381	583.248	583.122	583.038	582.980	2
3	582.822	582.778	582.761	582.818	583.334	583.263	583.224	583.381	583.237	583.122	583.044	582.978	3
4	582.822	582.774	582.761	582.827	583.307	583.247	583.217	583.358	583.238	583.121	583.048	582.978	4
5	582.818	582.771	582.760	582.838	583.348	583.239	583.220	583.365	583.220	583.118	583.048	582.978	5
6	582.822	582.771	582.757	582.883	583.415	583.231	583.221	583.363	583.207	583.113	583.042	582.975	6
7	582.820	582.768	582.761	582.903	583.386	583.224	583.223	583.348	583.197	583.111	583.044	582.974	7
8	582.820	582.768	582.758	582.912	583.348	583.218	583.216	583.342	583.190	583.110	583.037	582.971	8
9	582.819	582.766	582.757	582.832	583.312	583.202	583.217	583.343	583.184	583.109	583.038	582.968	9
10	582.817	582.765	582.755	582.878	583.277	583.192	583.238	583.342	583.181	583.109	583.031	582.968	10
11	582.812	582.763	582.755	582.882	583.272	583.177	583.239	583.337	583.177	583.108	583.028	582.968	11
12	582.813	582.761	582.756	582.912	583.302	583.212	583.237	583.332	583.176	583.101	583.023	582.965	12
13	582.813	582.761	582.756	582.906	583.321	583.288	583.240	583.325	583.171	583.099	583.021	582.964	13
14	582.812	582.760	582.756	582.900	583.278	583.287	583.239	583.321	583.168	583.098	583.020	582.961	14
15	582.810	582.759	582.759	582.179	583.314	583.307	583.242	583.318	583.162	583.095	583.018	582.959	15
16	582.808	582.758	582.757	582.173	583.348	583.272	583.264	532.311	583.160	583.092	583.018	582.958	16
17	582.808	582.758	582.757	582.223	583.383	583.276	583.280	583.307	583.178	583.088	583.018	582.957	17
18	582.804	582.756	582.758	582.218	583.351	583.328	583.306	583.298	583.187	583.081	583.012	582.954	18
19	582.804	582.752	582.757	582.856	583.336	583.343	583.322	583.288	583.153	583.077	583.012	582.951	19
20	582.804	582.748	582.756	582.872	583.317	583.330	583.300	583.278	583.148	583.075	583.008	582.949	20
21	582.804	582.748	582.755	582.847	583.297	583.313	583.288	583.274	583.138	583.072	583.005	582.947	21
22	582.802	582.748	582.754	582.844	583.282	583.298	583.272	583.271	583.133	583.068	583.002	582.946	22
23	582.801	582.751	582.754	582.783	583.287	583.295	583.273	583.276	583.130	583.068	583.001	582.944	23
24	582.798	582.752	582.752	582.822	583.299	583.314	583.273	583.278	583.128	583.068	582.998	582.942	24
25	582.795	582.750	582.751	583.180	583.300	583.306	583.272	583.278	583.124	583.062	582.998	582.940	25
26	582.793	582.748	582.750	583.218	583.308	583.291	583.278	583.271	583.120	583.060	582.993	582.939	26
27	582.793	582.752	582.749	583.275	583.305	583.278	583.288	583.268	583.116	583.057	582.991	582.937	27
28	582.791	582.752	582.750	583.312	583.308	583.283	583.285	583.263	583.111	583.053	582.990	582.936	28
29	582.787		582.754	583.312	583.298	583.282	583.283	583.277	583.102	583.047	582.988	582.932	29
30	582.785		582.775	583.279	583.295	583.290	583.282	583.274	583.110	583.046	582.986	582.929	30
31	582.782		582.781		583.298		583.281	583.267		583.043		582.926	31
MEAN	582.807	582.760	582.762	582.772	583.318	583.278	583.291	583.310	582.188	583.087	583.018	582.957	MEAN
MAX	582.824	582.778	582.781	583.312	583.415	583.387	583.378	583.381	583.258	583.122	583.048	582.983	MAX
MIN	582.782	582.748	582.750	582.173	583.271	583.177	583.216	583.263	583.102	583.043	582.986	582.926	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MEAN, 583.046
MAXIMUM DAILY, 583.415 ON MAY 5
MINIMUM DAILY, 582.173 ON APR 16
MAXIMUM INSTANTANEOUS,
583.433 AT 18:06 CST ON MAY 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 38 33 N
LONG 103 47 28 W

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - A NEW DAM WAS CONSTRUCTED IN 1983

WHEELER RIVER BELOW RUSSELL LAKE - STATION NO. 05DA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	17.28	16.08	14.88	16.28	20.0	20.1	23.2	19.4	18.6	20.3	19.2	20.0	1
2	17.18	16.08	14.88	16.38	20.0	20.2	23.2	19.3	18.5	19.1	18.9	19.8	2
3	17.18	15.98	14.88	16.48	20.0	22.1	22.5	19.5	18.5	18.3	18.9	19.1	3
4	17.28	15.98	14.78	16.38	20.1	24.1	21.5	18.8	18.7	19.0	19.1	19.1	4
5	17.38	15.88	15.88	16.1	20.3	25.0	22.1	19.1	18.9	19.8	19.5	19.3	5
6	17.28	15.88	14.88	16.0	20.4	25.4	22.4	18.4	18.1	18.7	18.9	18.8	6
7	17.18	15.78	14.88	16.3	20.5	25.9	21.9	18.1	18.9	18.4	18.8	18.6	7
8	17.28	15.78	14.88	16.3A	20.6	25.9	21.1	17.8	17.4	18.1	18.8	18.7	8
9	17.38	15.88	14.98	15.9A	20.8	25.8	21.0	17.3	17.3	18.0	18.8	18.8	9
10	17.48	15.98	15.88	17.0	20.5	27.1	21.5	18.9	17.1	18.2	18.4	19.2	10
11	17.48	16.18	15.48	18.7	20.5	28.8	21.1	18.8	17.0	18.9	18.8	18.7	11
12	17.38	16.08	15.38	18.4	20.9	28.5	20.8	18.9	17.1	18.9	20.0	18.8	12
13	17.28	16.28	15.38	18.4	20.8	27.3	20.7	17.8	17.2	19.0	20.2	18.5	13
14	17.28	16.38	14.98	18.4	20.8	27.1	19.9	17.5	17.1	18.7	20.1	18.3	14
15	17.18	16.08	15.08	18.2	21.0	27.2	19.9	18.2	17.3	19.1	20.1	18.3	15
16	17.18	16.08	15.28	18.1	21.2	28.1	19.7	18.9	18.2	19.8	20.2	18.1	16
17	17.08	16.08	15.38	18.1	21.2	28.4	20.3	18.0	18.2	19.7	20.2	18.2	17
18	16.98	16.08	15.48	18.2	21.0	27.8	20.8	18.8	18.3	19.3	20.1	18.3	18
19	16.88	16.18	15.68	18.3	21.2	27.2	20.2	18.2	18.8	19.3	20.1	18.0	19
20	16.88	16.88	15.78	18.7	21.4	26.8	19.7	18.8	19.1	19.4	20.0	17.8	20
21	16.88	16.68	15.88	17.2	21.4	25.8	19.7	18.4	18.0	19.2	20.0	17.6	21
22	16.78	16.38	16.08	17.4	21.6	25.3	19.1	18.5	18.1	19.3	19.9	17.6	22
23	16.88	16.88	16.18	18.0	21.5	25.8	18.8	18.3	18.8	19.4	19.8	18.0	23
24	16.58	16.78	16.28	18.8	21.4	26.1	19.0	18.0	20.3	19.9	19.8	17.6	24
25	16.48	16.38	16.88	18.8	21.0	24.4	18.7	18.2	20.3	19.7	19.8	17.2	25
26	16.48	16.48	16.88	18.1	21.2	23.3	18.2	18.1	20.0	19.5	20.1	17.4	26
27	16.38	16.28	16.88	18.1	21.3	24.8	18.7	18.5	19.9	19.6	20.0	17.8	27
28	16.38	16.88	16.88	18.2	21.0	25.0	19.3	18.8	20.3	19.5	19.9	17.7	28
29	16.28		16.88	18.5	20.4	24.8	19.1	18.7	20.8	19.5	19.8	17.7	29
30	16.28		16.38	19.8	20.1	24.0	18.4	18.4	20.8	19.4	19.8	17.7	30
31	16.18		16.28		20.3		18.8	18.5		19.3		17.7	31
TOTAL	523.4	444.8	481.8	513.1	644.4	785.7	629.8	524.0	541.3	589.7	593.7	570.9	TOTAL
MEAN	16.8	15.9	15.5	17.1	20.8	26.5	20.3	18.9	18.0	19.3	19.8	18.4	MEAN
MAX	17.4	16.5	16.5	18.8	21.6	28.4	23.2	19.4	20.8	20.3	20.2	20.0	MAX
MIN	16.1	14.9	14.8	15.9	20.0	20.1	18.1	18.4	18.5	18.3	18.9	17.2	MIN

SUMMARY FOR THE YEAR 1983

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 18.7
MAXIMUM DAILY, 28.4 ON JUN 17
MINIMUM DAILY, 14.88 ON MAR 7
MAXIMUM INSTANTANEOUS,
28.8 AT 21:27 CST ON JUN 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 28 48 N
LONG 104 55 00 W
DRAINAGE AREA, 3 020 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	48 200	JUL	54 400
FEB	38 400	AUG	48 300
MAR	41 590	SEP	46 800
APR	44 300	OCT	51 800
MAY	55 700	NOV	51 300
JUN	68 200	DEC	49 300

TOTAL DISCHARGE, 599 600 dam³

WHITE BEAR (CARLYLE) LAKE NEAR CARLYLE - STATION NO. 05HD005

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	731.909	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	731.159	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	731.844	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	731.464	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	731.472	---	---	---	---	---	---	28
29	---		---	---	---	---	---	---	731 188	---	---	---	29
30	---		731.435	731.800E	---	731.470E	---	---	731 180E	---	---	---	30
31	---		731.440E		731.840E		731 440E	731 283		731 180E		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 46 36 N
LONG 102 16 46 W

E - ESTIMATED

NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WHITE FOX RIVER NEAR GARRICK - STATION NO 05KE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	14.2	1.33	1.38	0.483	0.087	0.231	0.189A	---	1
2	---	---	0B	0 B	12.0	1.40	1.30	0.535	0.080	0.231	---	---	2
3	---	---	0B	0 B	10.0	1.48	1.33	0.701	0.079	0.243	---	---	3
4	---	---	0B	0 B	8.37	1.49	1.80	0.895	0.082	0.245	---	---	4
5	---	---	0B	0 B	6.90	1.59	2.20	0.898	0.083	0.250	---	---	5
6	---	---	0B	0 B	5.61	1.65	2.24	0.887	0.104	0.279	---	---	6
7	---	---	0B	0 B	4.53	1.48	2.20	0.720	0.092	0.252	---	---	7
8	---	---	0B	0 B	3.84	1.48	1.97	0.583	0.083	0.264	---	---	8
9	---	---	0B	0 B	3.33	1.34	1.84	0.484	0.088	0.249	---	---	9
10	---	---	0B	0 B	3.11	1.26	1.67	0.384	0.122	0.263	---	---	10
11	---	---	0B	0 B	2.82	1.23	1.41	0.305	0.109	0.224	---	---	11
12	---	---	0B	0 B	2.61	1.15	1.26	0.280	0.099	0.216	---	---	12
13	---	---	0B	0 0158	3.41	1.15	1.07	0.309	0.097	0.207	---	---	13
14	---	---	0B	0.0318	4.02	1.21	0.928	0.288	0.088	0.206	---	---	14
15	---	---	0B	0 0488	4.29	1.22	0.855	0.252	0.078	0.243	---	---	15
16	---	---	0B	0.0428	4.00	1.18	0.770	0.229	0.072	0.243	---	---	16
17	---	---	0B	0 0888	3.57	1.08	0.710	0.208	0.086	0.224	---	---	17
18	---	---	0B	0.1528	3.36	1.10	0.606	0.178	0 102	0.252	---	---	18
19	---	---	0B	1.03 B	3.06	1.15	0.492	0.160	0.100	0.248	---	---	19
20	---	---	0B	0 78 B	2.72	1.12	0.401	0.145	0.096	0.244	---	---	20
21	---	---	0B	29.6 B	2.50	0.975	0.531	0.139	0.087	0.248	---	---	21
22	---	---	0B	37.1 B	2.45	0.801	0.409	0.133	0.082	0.227	---	---	22
23	---	---	0B	40.7	2.36	0.731	0.385	0.134	0.079	0.224	---	---	23
24	---	---	0B	43.0	2.30	0.677	0.489	0.131	0.078	0.208	---	---	24
25	---	---	0B	38.8	2.23	0.678	0.408	0 142	0.087	0 192	---	---	25
26	---	---	0B	28.8	2.14	0 761	0.467	0.130	0.117	0.213	---	---	26
27	---	---	0B	26.8	2.07	1.22	0.459	0.122	0.104	0.208	---	---	27
28	---	---	0B	23.7	1.83	1.34	0.447	0.118	0.128	0.188	---	---	28
29	---		0B	20.1	1.76	1.52	0.433	0.107	0 142	0.176	---	---	29
30	---		0B	16.8	1.67	1.40	0.408	0.102	0.178	0.153	---	---	30
31	---		0B		1.63		0.393	0.099		0.149		---	31
TOTAL	---	---	0	313.362	126.68	36.203	31.098	9.899	2.908	6 979	---	---	TOTAL
MEAN	---	---	0	10.4	4.15	1.21	1.00	0.313	0.097	0.225	---	---	MEAN
MAX	---	---	0	43.0	14.2	1.65	2.24	0.730	0.178	0.279	---	---	MAX
MIN	---	---	0	0	1.63	0.677	0.393	0.099	0.072	0.149	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.16
MAXIMUM DAILY, 43.0 0B APR 24
MINIMUM DAILY, 0B 0B MAR 1
MAXIMUM INSTANTANEOUS,
43.7 AT 00:17 CST 0B APR 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 25 20 N
LONG 104 20 20 W
DRAINAGE AREA, 1 670 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	2 680
FEB	---	AUG	670
MAR	0	SEP	251
APR	27 100	OCT	803
MAY	11 100	NOV	---
JUN	3 130	DEC	---

TOTAL DISCHARGE, 45 700 dam³

WHITESAND RIVER NEAR CANORA - STATION NO. 05MB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.042B	0.101B	24.8	3.86	6.04	3.11	0.094	0.014	0.001A	---	1
2	---	---	0.045B	0.102B	21.5	3.40	6.29	2.87	0.061	0.017	---	---	2
3	---	---	0.049B	0.101B	18.7	3.40	6.34	2.69	0.060	0.023	---	---	3
4	---	---	0.047B	0.108B	16.1	3.62	7.53	2.55	0.039	0.029	---	---	4
5	---	---	0.049B	0.161B	14.3	3.93	9.86	2.31	0.042	0.046	---	---	5
6	---	---	0.049B	0.174B	12.8	3.74	11.4	2.11	0.045	0.049	---	---	6
7	---	---	0.039B	0.198B	11.3	3.27	11.6	1.91	0.048	0.051	---	---	7
8	---	---	0.032B	0.215B	9.88	3.03	10.8	1.75	0.044	0.054	---	---	8
9	---	---	0.027B	0.252B	9.05	2.80	9.60	1.60	0.061	0.053	---	---	9
10	---	---	0.025B	0.280B	8.68	2.58	8.51	1.52	0.092	0.074	---	---	10
11	---	---	0.025B	0.293B	8.31	2.42	7.88	1.37	0.081	0.072	---	---	11
12	---	---	0.032B	0.251B	7.72	2.35	7.39	1.22	0.080	0.051	---	---	12
13	---	---	0.041B	0.215B	7.14	2.35	6.97	1.21	0.077	0.038	---	---	13
14	---	---	0.051B	0.211B	6.86	2.41	6.79	1.08	0.074	0.028	---	---	14
15	---	---	0.065B	0.228B	6.82	2.08	6.02	1.00	0.065	0.020	---	---	15
16	---	---	0.078B	0.223B	7.07	2.12	6.81	0.943	0.050	0.022	---	---	16
17	---	---	0.087B	0.351B	7.93	1.99	6.41	0.909	0.040	0.023	---	---	17
18	---	---	0.108B	0.772B	8.72	1.87	6.18	0.844	0.017	0.009	---	---	18
19	---	---	0.113B	1.14 B	9.16	1.51	5.82	0.785	0.003	0	---	---	19
20	---	---	0.118B	1.61 B	9.26	1.41	5.33	0.705	0	0	---	---	20
21	---	---	0.128B	3.12 B	9.51	1.28	5.54	0.481	0	0	---	---	21
22	---	---	0.140B	10.0 B	9.27	0.976	5.57	0.232	0	0	---	---	22
23	---	0.031B	0.138B	21.4 B	8.96	0.755	5.42	0.106	0.025	0	---	---	23
24	---	0.039B	0.107B	52.7 B	8.75	0.449	5.31	0.085	0.038	0.005	---	---	24
25	---	0.040B	0.117B	70.1	8.20	0.528	5.17	0.093	0.032	0.015	---	---	25
26	---	0.044B	0.108B	65.3	7.77	0.886	5.00	0.092	0.022	0.025	---	---	26
27	---	0.048B	0.104B	57.7	7.09	6.08	4.59	0.084	0.009	0.022	---	---	27
28	---	0.045B	0.098B	48.8	6.12	11.7	4.17	0.082	0.002	0.018	---	---	28
29	---		0.094B	36.6	5.62	11.9	3.81	0.069	0.009	0.015	---	---	29
30	---		0.092B	29.3	4.88	10.2	3.66	0.067	0.011	0.005	---	---	30
31	---		0.114B		4.38		3.52	0.059		0.002		---	31
TOTAL	---	---	2.370	399.985	306.49	98.573	207.33	33.986	1.186	0.776	---	---	TOTAL
MEAN	---	---	0.076	13.3	9.89	3.29	6.69	1.10	0.039	0.025	---	---	MEAN
MAX	---	---	0.140	70.1	24.8	11.9	11.6	3.11	0.092	0.074	---	---	MAX
MIN	---	---	0.025	0.101	4.38	0.449	3.52	0.059	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.29
MAXIMUM DAILY, 70.1 ON APR 25
MINIMUM DAILY, 0 ON SEP 20
MAXIMUM INSTANTANEOUS,
83.3 AT 23:23 CST ON APR 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 38 11 N
LONG 102 22 11 W
DRAINAGE AREA, 8 740 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	17 900
FEB	---	AUG	2 930
MAR	205	SEP	101
APR	34 600	OCT	67.2
MAY	26 500	NOV	---
JUN	8 520	DEC	---

TOTAL DISCHARGE, 90 800 dam³

WHITESAND RIVER NEAR SPRINGSIDE - STATION NO. 05MB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.007B	0.130B	4.02	0.794	0.183	2.02	0.027	0.001	0.019	---	1
2	---	---	0.005B	0.119B	3.75	0.816	0.215	1.94	0.027	0	0.017	---	2
3	---	---	0.005B	0.107B	3.42	1.37	0.322	1.87	0.025	0.001	0.051A	---	3
4	---	---	0.010B	0.106B	3.00	1.28	0.334	1.75	0.018	0.002	---	---	4
5	---	---	0.018B	0.101B	2.72	1.16	0.345	1.66	0.014	0.005	---	---	5
6	---	---	0.030B	0.094B	2.43	1.07	0.819	1.50	0.025	0.009	---	---	6
7	---	---	0.049B	0.081B	2.13	0.963	1.26	1.39	0.026	0.010	---	---	7
8	---	---	0.074B	0.100B	1.78	0.914	1.65	1.20	0.020	0.013	---	---	8
9	---	---	0.104B	0.113B	1.80	0.774	1.41	1.02	0.016	0.025	---	---	9
10	---	---	0.105B	0.117B	1.97	0.621	1.49	0.932	0.019	0.004	---	---	10
11	---	---	0.082B	0.100B	1.94	0.599	1.79	0.811	0.010	0.003	---	---	11
12	---	---	0.088B	0.082B	1.81	0.579	1.99	0.684	0.014	0.005	---	---	12
13	---	---	0.113B	0.087B	2.28	0.822	4.13	0.611	0.010	0.006	---	---	13
14	---	---	0.126B	0.088B	1.98	0.869	4.81	0.533	0.005	0.004	---	---	14
15	---	---	0.108B	0.083B	1.91	0.961	3.89	0.477	0.004	0.008	---	---	15
16	---	---	0.094B	0.078B	1.86	0.876	2.83	0.400	0.001	0.014	---	---	16
17	---	---	0.088B	0.078B	2.30	0.942	2.47	0.311	0	0.019	---	---	17
18	---	---	0.090B	0.095B	2.47	0.751	2.64	0.240	0.001	0.020	---	---	18
19	---	---	0.099B	0.147B	2.32	0.565	2.92	0.219	0.003	0.012	---	---	19
20	---	---	0.095B	0.172B	2.27	0.467	2.83	0.180	0.031	0.008	---	---	20
21	---	---	0.088B	1.51 B	2.70	0.276	2.81	0.083	0.017	0.015	---	---	21
22	---	---	0.103B	4.29 B	2.56	0.266	3.22	0.051	0.005	0.016	---	---	22
23	---	0.015B	0.104B	7.61 B	2.40	0.242	3.16	0.036	0.004	0.014	---	---	23
24	---	0.015B	0.088B	9.17	2.31	0.202	2.91	0.032	0.005	0.012	---	---	24
25	---	0.015B	0.089B	8.43	2.10	0.231	2.54	0.024	0.003	0.013	---	---	25
26	---	0.015B	0.107B	6.25	1.75	0.257	2.27	0.023	0.003	0.017	---	---	26
27	---	0.012B	0.101B	4.82	1.74	0.220	2.19	0.032	0.003	0.020	---	---	27
28	---	0.010B	0.095B	4.16	1.56	0.166	1.97	0.025	0.005	0.016	---	---	28
29	---		0.081B	4.16	1.26	0.112	1.98	0.020	0.003	0.018	---	---	29
30	---		0.089B	4.16	1.08	0.107	2.10	0.020	0.001	0.026	---	---	30
31	---		0.111B		0.946		2.14	0.024		0.025		---	31
TOTAL	---	---	2.480	56.426	68.886	19.395	65.306	20.440	0.344	0.364	---	---	TOTAL
MEAN	---	---	0.080	1.88	2.22	0.647	2.11	0.659	0.011	0.012	---	---	MEAN
MAX	---	---	0.126	9.17	4.02	1.37	4.81	2.02	0.031	0.026	---	---	MAX
MIN	---	---	0.005	0.078	0.946	0.107	0.183	0.020	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.853
MAXIMUM DAILY, 9.17 ON APR 24
MINIMUM DAILY, 0 ON SEP 17
MAXIMUM INSTANTANEOUS,
9.50 AT 02:02 CST ON APR 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 23 50 N
LONG 102 44 12 W
DRAINAGE AREA, 2 050 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	5 640
FEB	---	AUG	1 770
MAR	215	SEP	29.7
APR	4 880	OCT	31.6
MAY	5 930	NOV	---
JUN	1 680	DEC	---

TOTAL DISCHARGE, 20 300 dam³

WILCOX MAIN DITCH NEAR WILCOX - STATION NO. 05JE006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0 B	0.070	0	0	0	0	0	---	---	1
2	---	---	0	0 B	0.081	0	0	0	0	0	---	---	2
3	---	---	0	0 B	0.091	0	0	0	0	0	---	---	3
4	---	---	0	0 B	0.077	0	0	0	0	0	---	---	4
5	---	---	0	0 B	0.059	0	0	0	0	0	---	---	5
6	---	---	0	0 B	0.062	0	0	0	0	0	---	---	6
7	---	---	0	0 B	0.032	0	0	0	0	0	---	---	7
8	---	---	0	0.0188	0.023	0	0	0	0	0	---	---	8
9	---	---	0	0.0718	0.020	0	0	0	0	0	---	---	9
10	---	---	0	0 1208	0.018	0	0	0	0	0	---	---	10
11	---	---	0	0.2588	0.012	0	0	0	0	0	---	---	11
12	---	---	0	0.2818	0.016	0	0	0	0	0	---	---	12
13	---	---	0	1.06 B	0.051	0	0	0	0	0	---	---	13
14	---	---	0	2.58 B	0.026	0	0	0	0	0	---	---	14
15	---	---	0	3.71	0.110	0	0	0	0	0	---	---	15
16	---	---	0	2.07	0.118	0	0	0	0	0	---	---	16
17	---	---	0	2.05	0.118	0	0	0	0	0	---	---	17
18	---	---	0	2.10	0.143	0	0	0	0	0	---	---	18
19	---	---	0	2.28	0.117	0	0	0	0	0	---	---	19
20	---	---	0	1.91	0.088	0	0	0	0	0	---	---	20
21	---	---	0	1.19	0.037	0	0	0	0	0	---	---	21
22	---	---	0	0.782	0.021	0	0	0	0	0	---	---	22
23	---	---	0	0.490	0.017	0	0	0	0	0	---	---	23
24	---	---	0	0.506	0.014	0	0	0	0	0	---	---	24
25	---	---	0	0.430	0.010	0	0	0	0	0	---	---	25
26	---	---	0	0.316	0.004	0	0	0	0	0	---	---	26
27	---	---	0	0.208	0.001	0	0	0	0	0	---	---	27
28	---	---	0	0.137	0	0	0	0	0	0	---	---	28
29	---		0	0.102	0	0	0	0	0	0	---	---	29
30	---		0	0.091	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	0	22.745	1.394	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.758	0.045	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	3.71	0.143	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0 099
MAXIMUM DAILY, 3.71 ON APR 15
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
4.17 AT 05:50 CST ON APR 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 03 41 N
LONG 104 46 53 W

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	1 870	OCT	0
MAY	130	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 2 000 dam³

WILLIAN RIVER ABOVE CARSWELL RIVER - STATION NO. 07MA004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	8.408	7.158	12.2 B	9.368	32.4	26.8	21.0	17.9E	11.6	15.5	15.9	10.3 B	1
2	8.448	7.478	12.2 B	9.538	30.4	26.3	20.2	17.2E	11.6	15.3	15.4 B	10.3 B	2
3	8.698	7.668	12.1 B	9.628	29.7	26.0	19.6A	16.9E	11.6	15.1	14.8 B	11.0 B	3
4	8.478	7.758	11.9 B	10.4 B	30.0	26.4	19.5A	16.9E	11.4	14.8	14.7 B	11.0 B	4
5	8.338	7.238	11.7 B	11.0 B	30.3	27.0	18.6	16.2E	11.7	15.4	14.3 B	11.0 B	5
6	8.188	6.658	11.6 B	11.5 B	30.7	27.2	18.6	15.9E	12.1	15.6	14.7 B	10.5 B	6
7	8.738	6.738	11.4 B	12.1 B	30.1	27.1	18.6	15.6E	13.8	15.6	15.0 B	10.0 B	7
8	9.468	6.858	11.1 B	11.8 B	30.2	27.1	18.2	15.2E	14.8	15.5	15.1 B	9.808	8
9	9.268	6.488	10.8 B	11.7 B	29.8	27.1	17.8	14.9E	15.0	15.4	13.7 B	9.508	9
10	8.628	6.578	10.7 B	9.858	29.8	26.8	17.7A	14.6E	15.3	15.3	14.7 B	9.408	10
11	8.948	8.618	10.3 B	9.738	29.2	26.4	18.1	14.4E	15.4	15.3	14.7 B	9.408	11
12	9.518	8.508	9.888	10.6 B	29.6A	27.8	17.8	14.2E	15.5	15.3	12.5 B	9.358	12
13	9.428	7.238	9.648	11.3 B	29.1E	28.9	17.4	14.0E	15.4	15.3	13.1 B	9.308	13
14	8.908	7.588	10.3 B	11.5 B	28.6A	30.4	17.0	13.8E	15.5	15.4	12.4 B	9.258	14
15	8.658	7.498	10.9 B	11.4 B	28.4A	30.6	16.1	13.6E	15.5	15.6	10.9 B	9.208	15
16	8.988	7.788	11.3 B	11.2 B	28.6E	30.9	15.2	13.5E	15.5	15.8	10.1 B	9.208	16
17	8.898	8.308	11.5 B	10.7 B	28.7E	30.7	15.8	13.4E	15.5	15.1	9.848	9.158	17
18	8.768	8.388	11.4 B	11.3 B	28.9A	30.5	20.3A	13.3E	15.3	15.0	9.498	9.158	18
19	8.288	9.108	11.3 B	12.3 B	28.8	28.5	20.3A	13.3E	15.2	15.8	9.148	9.138	19
20	8.008	9.348	11.0 B	13.6 B	29.1	28.6	20.3E	13.2E	15.4	17.0	9.228	9.108	20
21	7.828	9.438	10.6 B	14.7 B	29.3	27.8	20.2E	13.2E	15.6	16.9	10.1 B	9.068	21
22	7.648	9.688	10.0 B	13.8 B	28.8	27.5	20.1E	13.1E	15.6	15.5	9.868	9.038	22
23	7.638	9.888	9.648	14.4 B	28.6	27.1	20.0E	13.1E	15.0	15.5	9.138	9.008	23
24	7.878	10.0 B	9.628	15.0 B	28.5	27.0	19.8E	13.1A	15.1	15.5	8.438	9.008	24
25	8.008	11.6 B	9.318	15.2 B	28.5	26.2	19.5E	13.0	15.2	15.5	10.4 B	9.008	25
26	7.878	11.8 B	9.278	15.8 B	28.5	25.3	19.2E	12.9	15.1	15.5	11.0 B	9.038	26
27	7.198	11.8 B	9.128	16.0 B	28.5	24.2	19.0E	12.8	15.0	15.2	10.6 B	9.058	27
28	8.778	12.0 B	8.818	22.2 B	28.3	24.0A	18.7E	12.8	15.5	15.2	10.3 B	9.058	28
29	8.538		8.778	32.3 B	27.9	23.7	18.4E	12.4	15.6	15.1	10.6 B	9.108	29
30	8.288		8.828	32.7	27.4	21.8	18.1E	12.1	15.6	15.7	10.5 B	9.108	30
31	8.898		9.068		27.1		17.8E	11.9		16.0		9.158	31
TOTAL	266.23	235.94	328.36	422.81	903.9	816.3	588.0	437.3	442.6	490.8	381.40	294.43	TOTAL
MEAN	8.27	8.43	10.5	14.1	29.2	27.2	19.0	14.1	14.8	15.8	12.0	9.50	MEAN
MAX	9.51	12.0	12.2	32.7	32.4	30.9	21.0	17.5	16.2	17.0	15.9	11.0	MAX
MIN	6.26	6.49	8.77	9.36	27.1	21.8	17.0	11.9	11.4	14.8	9.13	9.00	MIN

SUMMARY FOR THE YEAR 1983

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 15.3
MAXIMUM DAILY, 32.7 ON APR 30
MINIMUM DAILY, 6.258 ON JAN 30
MAXIMUM INSTANTANEOUS,
36.1 AT 16:15 CST ON APR 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 48 50 N
LONG 100 00 10 W
DRAINAGE AREA, 4 030 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	22 100	JUL	50 900
FEB	20 400	AUG	37 500
MAR	28 200	SEP	38 200
APR	36 500	OCT	42 400
MAY	78 100	NOV	31 200
JUN	70 500	DEC	25 400

TOTAL DISCHARGE, 482 000 dam³

WILLOW BROOK AT WILLOWBROOK - STATION NO. 05MB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.851	0.027	0.516	0.089	0	0	0	---	1
2	---	---	0B	0 B	0.841	0.028	0.511	0.041	0	0	0	---	2
3	---	---	0B	0 B	0.476	0.033	0.718	0.028	0	0	0	---	3
4	---	---	0B	0 B	0.387	0.042	0.783	0.014	0	0	---	---	4
5	---	---	0B	0 B	0.297	0.030	0.889	0.005	0	0	---	---	5
6	---	---	0B	0 B	0.233	0.023	0.535	0.001	0	0	---	---	6
7	---	---	0B	0 B	0.155	0.018	0.399	0	0	0	---	---	7
8	---	---	0B	0 B	0.084	0.015	0.276	0	0	0	---	---	8
9	---	---	0B	0 B	0.041	0.013	0.229	0	0	0	---	---	9
10	---	---	0B	0 B	0.022	0.011	0.248	0	0	0	---	---	10
11	---	---	0B	0 B	0.011	0.008	0.880	0	0	0	---	---	11
12	---	---	0B	0 B	0.005	0.042	1.07	0	0	0	---	---	12
13	---	---	0B	0 B	0.079	0.124	1.17	0	0	0	---	---	13
14	---	---	0B	0 B	0.130	0.087	1.05	0	0	0	---	---	14
15	---	---	0B	0.0015	0.125	0.041	0.720	0	0	0	---	---	15
16	---	---	0B	0.0028	0.124	0.019	0.522	0	0	0	---	---	16
17	---	---	0B	0.0038	0.239	0.008	0.346	0	0	0	---	---	17
18	---	---	0B	0.0038	0.279	0.003	0.245	0	0	0	---	---	18
19	---	---	0B	0.0038	0.828	0.003	0.171	0	0	0	---	---	19
20	---	---	0B	0.0038	0.823	0.001	0.116	0	0	0	---	---	20
21	---	---	0B	0.0088	0.446	0	0.153	0	0	0	---	---	21
22	---	---	0B	0.2378	0.375	0	0.142	0	0	0	---	---	22
23	---	---	0B	1.53 B	0.346	0	0.204	0	0	0	---	---	23
24	---	---	0B	1.59	0.314	0.002	0.211	0	0	0	---	---	24
25	---	---	0B	1.37	0.289	0.113	0.170	0	0	0	---	---	25
26	---	---	0B	1.43	0.230	5.16	0.139	0	0	0	---	---	26
27	---	---	0B	1.32	0.174	2.77	0.157	0	0	0	---	---	27
28	---	---	0B	1.22	0.105	1.73	0.434	0	0	0	---	---	28
29	---		0B	0.843	0.083	1.15	0.295	0	0	0	---	---	29
30	---		0B	0.508	0.042	0.781	0.248	0	0	0	---	---	30
31	---		0B		0.031		0.181	0		0		---	31
TOTAL	---	---	0	10.569	7.877	12.263	13.408	0.179	0	0	---	---	TOTAL
MEAN	---	---	0	0.352	0.254	0.409	0.433	0.006	0	0	---	---	MEAN
MAX	---	---	0	1.59	0.851	5.16	1.17	0.089	0	0	---	---	MAX
MIN	---	---	0	0	0.011	0	0.116	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.181
MAXIMUM DAILY, 5.16 ON JUN 26
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
6.04 AT 08:38 CST ON JUN 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 12 20 N
LONG 102 48 05 W
DRAINAGE AREA, 401 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 160
FEB	---	AUG	15.5
MAR	0	SEP	0
APR	913	OCT	0
MAY	681	NOV	---
JUN	1 060	DEC	---

TOTAL DISCHARGE, 3 830 dam³

WILLOWS COULEE RESERVOIR - STATION NO. 05JD005

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	887.508	888.103	887.880	887.838	887.873	887.848	887.3P0	887.151	887.015	---	1
2	---	---	887.507	888.059	887.876	887.824	887.874	887.841	887.290	887.148	887.010A	---	2
3	---	---	887.493	888.007	887.871	887.823	887.889	887.533	887.277	887.145	---	---	3
4	---	---	887.705	887.980	887.869	887.816	887.883	887.527	887.270	887.140	---	---	4
5	---	---	887.706	887.966	887.866	887.814	887.866	887.521	887.260	887.135	---	---	5
6	---	---	887.709	887.951	887.862	887.808	887.850	887.518	887.248	887.130	---	---	6
7	---	---	887.710	887.957	887.855	887.803	887.848	887.508	887.237	887.126	---	---	7
8	---	---	887.711	887.953	887.850	887.798	887.838	887.497	887.231	887.121	---	---	8
9	---	---	887.710	887.951	887.848	887.789	887.830	887.487	887.241	887.118	---	---	9
10	---	---	887.712	887.948	887.848	887.781	887.859	887.480	887.240	887.113	---	---	10
11	---	---	887.725	887.948	887.841	887.773	887.883	887.470	887.238	887.108	---	---	11
12	---	---	887.737	887.946	887.854	887.783	887.878	887.457	887.236	887.101	---	---	12
13	---	---	887.748	887.944	887.877	887.788	887.868	887.448	887.229	887.097	---	---	13
14	---	---	887.755	887.942	887.877	887.781	887.883	887.434	887.228	887.094	---	---	14
15	---	---	887.758	887.942	887.878	887.775	887.888	887.423	887.235	887.090	---	---	15
16	---	887.354A	887.849	887.939	887.874	887.769	887.881	887.415	887.239	887.084	---	---	16
17	---	887.367	887.846	887.940	887.874	887.782	887.883	887.408	887.235	887.078	---	---	17
18	---	887.384	888.002	887.939	887.878	887.755	887.847	887.388	887.214	887.074	---	---	18
19	---	887.390	887.883	887.938	887.878	887.748	887.841	887.385	887.203	887.071	---	---	19
20	---	887.394	887.870	887.938	887.874	887.735	887.838	887.377	887.193	887.065	---	---	20
21	---	887.397	887.863	887.933	887.872	887.725	887.830	887.367	887.186	887.062	---	---	21
22	---	887.405	887.857	887.930	887.870	887.718	887.820	887.362	887.181	887.060	---	---	22
23	---	887.424	887.864	887.923	887.869	887.713	887.813	887.361	887.176	887.057	---	---	23
24	---	887.444	887.886	887.915	887.868	887.712	887.805	887.366	887.173	887.052	---	---	24
25	---	887.464	887.881	887.913	887.864	887.708	887.897	887.349	887.187	887.046	---	---	25
26	---	887.486	887.888	887.904	887.859	887.897	887.890	887.345	887.184	887.041	---	---	26
27	---	887.478	887.868	887.898	887.854	887.880	887.880	887.338	887.188	887.033	---	---	27
28	---	887.488	887.874	887.893	887.848	887.882	887.871	887.333	887.182	887.031	---	---	28
29	---		888.081	887.888	887.841	887.877	887.884	887.328	887.148	887.027	---	---	29
30	---		888.220	887.885	887.837	887.878	887.889	887.318	887.150	887.024	---	---	30
31	---		888.181		887.833		887.882	887.310		887.021		---	31
MEAN	---	---	887.852	887.946	887.883	887.788	887.833	887.434	887.218	887.085	---	---	MEAN
MAX	---	---	888.220	888.103	887.880	887.838	887.883	887.848	887.300	887.151	---	---	MAX
MIN	---	---	887.506	887.885	887.833	887.878	887.882	887.310	887.148	887.021	---	---	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MAXIMUM DAILY, 888.220 ON MAR 30

MAXIMUM INSTANTANEOUS,
888.334 AT 15:40 CST ON MAR 30

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 38 32 N
LONG 105 50 38 W

A - MANUAL GAUGE

REGULATED

WIWA CREEK NEAR ST. BOSWELLS - STATION NO. 05JC008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	3.10 B	30.2	0.122	0.027	0	0.204	0	0	0	---	1
2	---	0 B	2.51 B	25.5	0.108	0.026	0	0.178	0	0	0	---	2
3	---	0 B	2.56 B	16.4	0.095	0.024	0	0.151	0	0	0	---	3
4	---	0 B	1.73 B	9.80	0.084	0.023	0	0.127	0	0	---	---	4
5	---	0 B	1.03 B	7.80	0.076	0.021	0	0.103	0	0	---	---	5
6	---	0 B	1.34 B	6.16	0.085	0.019	0	0.087	0	0	---	---	6
7	---	0 B	1.87 B	4.88	0.089	0.018	0	0.075	0	0	---	---	7
8	---	0 B	1.41 B	4.47	0.083	0.016	0	0.062	0	0	---	---	8
9	---	0 B	0.9188	4.04	0.084	0.014	0	0.056	0	0	---	---	9
10	---	0 B	0.8958	3.49	0.058	0.012	0	0.052	0	0	---	---	10
11	---	0 B	2.26 B	3.08	0.055	0.012	0.010	0.048	0	0	---	---	11
12	---	0 B	5.45 B	2.98	0.555	0.013	8.12	0.045	0	0	---	---	12
13	---	0 B	9.94 B	2.85	2.51	0.009	13.2	0.045	0	0	---	---	13
14	---	0 B	8.11 B	2.53	2.50	0.008	11.8	0.041	0	0	---	---	14
15	---	0 B	12.3 B	2.25	1.72	0.008	8.44	0.042	0	0	---	---	15
16	---	0 B	9.44 B	1.88	1.14	0.006	5.42	0.040	0	0	---	---	16
17	---	0 B	5.92 B	1.58	0.853	0.004	4.41	0.043	0	0	---	---	17
18	---	0 B	4.35 B	1.44	0.589	0.003	3.21	0.048	0	0	---	---	18
19	---	0 B	4.10 B	1.17	0.553	0.002	2.24	0.045	0	0	---	---	19
20	---	0 B	3.30 B	1.07	0.391	0	1.97	0.038	0	0	---	---	20
21	---	0 B	2.70 B	0.847	0.257	0	1.61	0.029	0	0	---	---	21
22	---	0 B	3.23 B	0.716	0.197	0	1.72	0.021	0	0	---	---	22
23	---	0 B	1.85 B	0.682	0.152	0	2.30	0.015	0	0	---	---	23
24	---	0 B	1.61 B	0.859	0.126	0	1.98	0.010	0	0	---	---	24
25	---	0.2478	1.05 B	0.554	0.097	0	1.61	0.008	0	0	---	---	25
26	---	2.05 B	1.05 B	0.475	0.077	0	1.11	0.002	0	0	---	---	26
27	---	1.69 B	1.02 B	0.384	0.063	0	0.701	0	0	0	---	---	27
28	---	1.86 B	1.27 B	0.238	0.052	0	0.502	0	0	0	---	---	28
29	---		2.53 B	0.177	0.044	0	0.381	0	0	0	---	---	29
30	---		11.4 B	0.140	0.038	0	0.301	0	0	0	---	---	30
31	---		29.5		0.033		0.249	0		0		---	31
TOTAL	---	5.167	139.583	137.892	12.856	0.285	70.234	1.808	0	0	---	---	TOTAL
MEAN	---	0.220	4.51	4.60	0.415	0.009	2.27	0.052	0	0	---	---	MEAN
MAX	---	2.05	29.5	30.2	2.51	0.027	13.2	0.204	0	0	---	---	MAX
MIN	---	0	0.895	0.140	0.033	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.48
MAXIMUM DAILY, 30.2 ON APR 1
MINIMUM DAILY, 0 ON JUN 30
MAXIMUM INSTANTANEOUS,
31.5 AT 07:23 CST ON MAR 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 04 05 N
LONG 105 45 18 W
DRAINAGE AREA, 1 350 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	6 070
FEB	533	AUG	139
MAR	12 100	SEP	0
APR	11 900	OCT	0
MAY	1 110	NOV	---
JUN	22.9	DEC	---

TOTAL DISCHARGE, 31 300 dam³

WOLLASTON LAKE AT ROSS CHANNEL - STATION NO. 09DA001

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	28.013	28.006	27.922	27.976	27.984	28.085	28.205	28.324	28.378E	28.442E	28.441	28.408	1
2	28.005	28.003	27.989	27.977	27.989	28.070	28.205	28.332	28.381E	28.443E	28.473	28.409	2
3	28.004	28.002	27.986	27.976	27.994	28.079	28.184	28.337	28.383E	28.444E	28.466	28.404	3
4	28.011	28.000	27.985	27.975	27.995	28.087	28.188	28.323	28.385E	28.448E	28.442	28.405	4
5	28.008	28.001	27.989	27.974	27.999	28.089	28.197	28.330	28.387E	28.448E	28.440	28.406	5
6	28.010	27.995	27.989	27.974	27.999	28.091	28.196	28.335	28.390E	28.450A	28.452	28.404	6
7	28.006	27.994	27.989	27.985	27.999	28.089	28.196	28.324	28.392E	28.459	28.439	28.408	7
8	28.013	27.991	27.989	27.987	28.004	28.098	28.200	28.334	28.394E	28.470	28.443	28.400	8
9	28.019	27.986	27.988	27.981	28.001	28.095	28.210	28.330A	28.398E	28.471	28.443	28.395	9
10	28.017	27.987	27.994	27.976	28.001	28.108	28.208	28.334E	28.398E	28.465	28.439	28.395	10
11	28.016	27.988	27.990	27.973	28.005	28.110	28.205	28.338E	28.400E	28.459	28.443	28.398	11
12	28.011	27.990	27.988	27.974	28.011	28.118	28.205	28.338E	28.401E	28.470	28.443	28.395	12
13	28.008	27.992	27.987	27.975	28.008	28.132	28.203	28.340E	28.402E	28.468	28.438	28.398	13
14	28.012	27.997	27.988	27.978	28.011	28.145	28.201	28.342E	28.403E	28.461	28.439	28.394	14
15	28.016	27.999	27.990	27.974	28.013	28.167	28.220	28.343E	28.405E	28.478	28.451	28.392	15
16	28.015	28.002	27.988	27.975	28.018	28.175	28.224	28.345E	28.408E	28.418	28.446	28.391	16
17	28.015	27.999	27.988	27.976	28.017	28.175	28.208	28.347E	28.412E	28.438	28.430	28.388	17
18	28.014	27.994	27.987	27.978	28.018	28.181	28.208	28.349E	28.415E	28.478	28.422	28.386	18
19	28.013	28.000	27.984	27.980	28.028	28.181	28.207	28.352E	28.418E	28.476	28.425	28.388	19
20	28.018	27.998	27.980	27.978	28.031	28.177	28.205	28.354E	28.420E	28.483	28.424	28.382	20
21	28.018	28.000	27.980	27.978	28.034	28.182	28.203	28.357E	28.422E	28.487	28.428	28.377	21
22	28.018	27.998	27.978	27.973	28.043	28.185	28.203	28.358E	28.423E	28.480	28.431	28.372	22
23	28.016	27.997	27.978	27.978	28.044	28.184	28.209	28.360E	28.425E	28.485	28.423	28.373	23
24	28.014	27.998	27.976	27.985	28.047	28.192	28.274	28.362E	28.427E	28.485	28.406	28.377	24
25	28.014	27.998	27.977	27.982	28.048	28.182	28.276	28.364E	28.429E	28.482	28.406	28.378	25
26	28.013	27.994	27.978	27.980	28.049	28.189	28.278	28.366E	28.432E	28.487	28.428	28.379	26
27	28.007	27.993	27.978	27.984	28.058	28.200	28.286	28.369E	28.434E	28.443	28.431	28.376	27
28	28.003	27.991	27.974	27.988	28.083	28.201	28.288	28.371E	28.436E	28.449	28.416	28.374	28
29	28.005		27.976	27.989	28.084	28.202	28.321	28.373E	28.438E	28.480	28.415	28.373	29
30	28.008		27.978	27.982	28.086	28.201	28.321	28.374E	28.440E	28.488	28.419	28.388	30
31	28.008		27.976		28.087		28.320	28.378E		28.448		28.385	31
MEAN	28.012	27.996	27.984	27.977	28.023	28.148	28.242	28.348	28.408	28.465	28.435	28.389	MEAN
MAX	28.019	28.006	27.995	27.982	28.086	28.202	28.321	28.378	28.440	28.478	28.473	28.409	MAX
MIN	28.003	27.987	27.974	27.965	27.984	28.085	28.184	28.323	28.379	28.418	28.406	28.385	MIN

SUMMARY FOR THE YEAR 1983

WATER LEVELS IN METRES

MEAN, 28.203
MAXIMUM DAILY, 28.478 ON OCT 15
MINIMUM DAILY, 27.965 ON APR 7
MAXIMUM INSTANTANEOUS,
28.508 AT 00:34 CST ON NOV 3

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 28 50 N
LONG 103 18 50 W

A - MANUAL GAUGE

E - ESTIMATED

NATURAL FLOW

WOOD RIVER DIVERSION TO CHAPLIN LAKE - STATION NO. 05JC008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.771B	3.23 B	0.235	0.189	0.098	0.185	0.154	0.103	0.025E	---	1
2	---	---	0.784B	4.23 B	0.231	0.216	0.119	0.206	0.135	0.104	0.054A	---	2
3	---	---	0.777B	4.88 B	0.238	0.230	0.135	0.188	0.113	0.104	0.143A	---	3
4	---	---	0.783B	5.19 B	0.223	0.209	0.189	0.183	0.116	0.104	---	---	4
5	---	---	0.771B	5.30 B	0.227	0.200	0.189	0.202	0.111	0.092	---	---	5
6	---	---	0.718B	5.23	0.238	0.197	0.178	0.201	0.082	0.089	---	---	6
7	---	---	0.798B	5.38	0.207	0.206	0.146	0.234	0.095	0.113	---	---	7
8	---	---	0.784B	5.30	0.204	0.174	0.110	0.229	0.093	0.111	---	---	8
9	---	---	0.758B	4.80	0.232	0.187	0.116	0.232	0.092	0.113	---	---	9
10	---	---	0.701B	3.85	0.316	0.193	0.257	0.256	0.076	0.107	---	---	10
11	---	---	0.645B	2.90	0.248	0.174	0.234	0.245	0.081	0.094	---	---	11
12	---	---	1.18 B	0.825	0.313	0.244	0.150	0.241	0.091	0.098	---	---	12
13	---	---	1.06 B	0.583	0.381	0.263	0.124	0.234	0.092	0.101	---	---	13
14	---	---	1.31 B	0.491	0.251	0.229	0.105	0.237	0.111	0.105	---	---	14
15	---	---	1.31 B	0.455	0.221	0.133	0.149	0.227	0.122	0.104	---	---	15
16	---	0.448B	1.11 B	0.388	0.215	0.099	0.274	0.224	0.122	0.089	---	---	16
17	---	0.459B	1.06 B	0.395	0.217	0.078	0.347	0.213	0.104	0.097	---	---	17
18	---	0.474B	1.02 B	0.340	0.211	0.085	0.351	0.211	0.085	0.128	---	---	18
19	---	0.478B	1.02 B	0.327	0.195	0.052A	0.328	0.206	0.083	0.111	---	---	19
20	---	0.480B	1.46 B	0.318	0.184	0.053A	0.357	0.212	0.087	0.099	---	---	20
21	---	0.470B	1.87 B	0.281	0.227	0.056	0.335	0.201	0.093	0.068	---	---	21
22	---	0.469B	1.80 B	0.280	0.195	0.055	0.293	0.211	0.096	0.059	---	---	22
23	---	0.464B	1.49 B	0.249	0.195	0.071	0.267	0.221	0.108	0.057	---	---	23
24	---	0.474B	1.23 B	0.280	0.182	0.076	0.253	0.226	0.118	0.050	---	---	24
25	---	0.511B	1.22 B	0.259	0.177	0.067	0.247	0.223	0.112	0.048	---	---	25
26	---	0.443B	1.31 B	0.318	0.184	0.065	0.232	0.212	0.100	0.045	---	---	26
27	---	0.481B	1.36 B	0.252	0.195	0.072	0.190	0.204	0.097	0.043	---	---	27
28	---	0.728B	1.21 B	0.242	0.187	0.071	0.190	0.198	0.085	0.017A	---	---	28
29	---		1.36 B	0.231	0.174	0.064	0.183	0.184	0.084	0.018E	---	---	29
30	---		2.18 B	0.249	0.177	0.080	0.205	0.181	0.102	0.018E	---	---	30
31	---		2.84 B		0.188		0.188	0.188		0.022E		---	31
TOTAL	---	---	37.096	57.185	8.856	3.985	8.500	8.807	3.030	2.517	---	---	TOTAL
MEAN	---	---	1.20	1.91	0.221	0.133	0.210	0.213	0.101	0.081	---	---	MEAN
MAX	---	---	2.84	5.38	0.381	0.263	0.357	0.256	0.154	0.128	---	---	MAX
MIN	---	---	0.718	0.231	0.188	0.052	0.098	0.188	0.085	0.018	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.505
MAXIMUM DAILY, 5.38 ON APR 7
MINIMUM DAILY, 0.018E ON OCT 28
MAXIMUM INSTANTANEOUS,
5.45 AT 10:15 CST ON APR 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 09 48 N
LONG 105 21 31 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	552
FEB	---	AUG	571
MAR	3 210	SEP	282
APR	4 940	OCT	217
MAY	592	NOV	---
JUN	344	DEC	---

TOTAL DISCHARGE, 10 700 dam³

REMARKS - SOME RUNOFF OCCURRED IN FEBRUARY, OUTSIDE THE STANDARD PERIOD

WOOD RIVER NEAR LAFLECHE - STATION NO. 05JA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	1.30 B	8.69 B	0.447	0.853	0.001	0.049	0	0	0	---	1
2	---	0 B	1.29 B	12.3 B	0.414	0.583	0.001	0.044	0	0	0	---	2
3	---	0 B	1.36 B	10.5	0.363	0.522	0.001	0.036	0	0	---	---	3
4	---	0 B	1.43 B	7.60	0.325	0.487	0.001	0.027	0	0	---	---	4
5	---	0 B	1.38 B	10.3	0.303	0.405	0.001	0.025	0	0	---	---	5
6	---	0 B	1.12 B	8.87	0.285	0.391	0.001	0.025	0	0	---	---	6
7	---	0 B	0.740B	5.07	0.263	0.258	0.001	0.028	0	0	---	---	7
8	---	0 B	0.908B	4.03	0.262	0.174	0.001	0.029	0	0	---	---	8
9	---	0 B	0.811B	3.27	0.256	0.116	0.001	0.024	0	0	---	---	9
10	---	0 B	0.867B	2.68	0.342	0.084	0.005	0.021	0	0	---	---	10
11	---	0 B	0.878B	2.24	0.344	0.057	0.017	0.016	0	0	---	---	11
12	---	0 B	0.841B	1.82	0.348	0.053	0.018	0.012	0	0	---	---	12
13	---	0 B	0.740B	1.51	0.371	0.058	0.010	0.010	0	0	---	---	13
14	---	0 B	0.893B	1.29	0.517	0.058	0.058	0.007	0	0	---	---	14
15	---	0 B	0.813B	1.10	0.686	0.056	0.801	0.006	0	0	---	---	15
16	---	0 B	0.842B	1.05	0.824	0.048	1.72	0.005	0	0	---	---	16
17	---	0 B	0.845B	0.897	0.853	0.040	1.83	0.004	0	0	---	---	17
18	---	0 B	0.837B	0.838	0.831	0.038	1.74	0.003	0	0	---	---	18
19	---	0 B	0.738B	0.785	1.83	0.032	1.81	0.003	0	0	---	---	19
20	---	0 B	0.884B	0.739	2.74	0.015	1.83	0.002	0	0	---	---	20
21	---	0.419B	0.884B	0.690	2.88	0.013	1.38	0.001	0	0	---	---	21
22	---	1.88 B	0.833B	0.654	2.70	0.008	1.17	0.001	0	0	---	---	22
23	---	2.08 B	0.771B	0.615	2.38	0.008	0.888	0.001	0	0	---	---	23
24	---	1.48 B	0.742B	0.578	2.18	0.008	0.678	0.001	0	0	---	---	24
25	---	1.50 B	0.747B	0.537	1.87	0.008	0.502	0	0	0	---	---	25
26	---	1.55 B	0.678B	0.508	1.68	0.008	0.333	0	0	0	---	---	26
27	---	1.48 B	0.884B	0.502	1.48	0.004	0.175	0	0	0	---	---	27
28	---	1.42 B	0.781B	0.617	1.37	0.002	0.110	0	0	0	---	---	28
29	---		1.37 B	0.513	1.05	0.001	0.080	0	0	0	---	---	29
30	---		1.82 B	0.481	0.871	0.001	0.085	0	0	0	---	---	30
31	---		2.74 B		0.751		0.089	0		0	---	---	31
TOTAL	---	11.789	30.441	59.871	31.084	4.186	14.877	0.380	0	0	---	---	TOTAL
MEAN	---	0.421	0.982	1.99	1.00	0.139	0.483	0.012	0	0	---	---	MEAN
MAX	---	2.08	2.74	12.3	2.88	0.853	1.83	0.049	0	0	---	---	MAX
MIN	---	0	0.813	0.481	0.258	0.001	0.001	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.807
MAXIMUM DAILY, 12.3B ON APR 2
MINIMUM DAILY, 0 ON AUG 25
MAXIMUM INSTANTANEOUS,
13.0B AT 11:55 CST ON APR 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 40 01 N
LONG 105 41 33 W
DRAINAGE AREA, 4 720 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 390
FEB	1 030	AUG	32.8
MAR	2 630	SEP	0
APR	7 750	OCT	0
MAY	2 890	NOV	---
JUN	380	DEC	---

TOTAL DISCHARGE, 14 800 dam³

REMARKS - SOME RUNOFF OCCURRED IN FEBRUARY, OUTSIDE THE STANDARD PERIOD

YELLOW GRASS DITCH NEAR YELLOW GRASS - STATION NO. 05NB011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	14.2	0.100	0.243	0.484	0.002	0	---	---	1
2	---	---	0B	0 B	12.8	0.107	0.858	0.481	0.001	0	---	---	2
3	---	---	0B	0 B	11.0	0.121	0.407	0.463	0	0	---	---	3
4	---	---	0B	0 B	9.03	0.136	0.194	0.437	0	0	---	---	4
5	---	---	0B	0 B	7.48	0.143	0.152	0.402	0	0	---	---	5
6	---	---	0B	0 B	5.98	0.153	0.135	0.362	0	0	---	---	6
7	---	---	0B	0 B	4.89	0.140	0.182	0.318	0	0	---	---	7
8	---	---	0B	0 B	3.58	0.126	0.196	0.269	0	0	---	---	8
9	---	---	0B	0.0108	2.88	0.112	0.174	0.236	0	0	---	---	9
10	---	---	0B	0.0288	2.18	0.099	0.155	0.205	0	0	---	---	10
11	---	---	0B	0.0508	1.57	0.095	0.172	0.181	0	0	---	---	11
12	---	---	0B	0.1008	1.10	4.37	0.144	0.155	0	0	---	---	12
13	---	---	0B	0.2008	0.440	4.85	0.122	0.135	0	0	---	---	13
14	---	---	0B	1.44 B	1.85	3.54	0.315	0.101	0	0	---	---	14
15	---	---	0B	4.10	2.50	4.12	1.08	0.083	0	0	---	---	15
16	---	---	0B	3.83	2.13	3.78	1.34	0.064	0	0	---	---	16
17	---	---	0B	3.74	2.06	3.38	1.31	0.058	0	0	---	---	17
18	---	---	0B	10.7	2.15	3.05	1.28	0.053	0	0	---	---	18
19	---	---	0B	16.2	1.88	2.71	1.18	0.044	0	0	---	---	19
20	---	---	0B	15.7	1.51	2.26	1.08	0.027	0	0	---	---	20
21	---	---	0B	13.2	1.07	1.82	1.10	0.023	0	0	---	---	21
22	---	---	0B	13.8	0.722	1.46	0.977	0.018	0	0	---	---	22
23	---	---	0B	15.1	0.513	1.13	0.843	0.018	0	0	---	---	23
24	---	---	0B	15.8	0.378	0.979	0.803	0.015	0	0	---	---	24
25	---	---	0B	16.4	0.272	0.814	0.835	0.008	0	0	---	---	25
26	---	---	0B	17.4	0.220	0.644	0.925	0.008	0	0	---	---	26
27	---	---	0B	17.5	0.159	0.388	0.936	0.005	0	0	---	---	27
28	---	---	0B	17.1	0.127	0.343	0.891	0.005	0	0	---	---	28
29	---		0B	16.3	0.103	0.300	0.785	0.004	0	0	---	---	29
30	---		0B	15.5	0.095	0.244	0.674	0.004	0	0	---	---	30
31	---		0B		0.097		0.559	0.003		0		---	31
TOTAL	---	---	0	214.185	84.517	41.404	19.830	4.867	0.003	0	---	---	TOTAL
MEAN	---	---	0	7.14	3.05	1.38	0.640	0.151	0	0	---	---	MEAN
MAX	---	---	0	17.5	14.2	4.85	1.34	0.484	0.002	0	---	---	MAX
MIN	---	---	0	0	0.095	0.095	0.122	0.003	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.53
MAXIMUM DAILY, 17.5 ON APR 27
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
17.7 AT 15:03 CST ON APR 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 47 11 N
LONG 104 02 16 W
DRAINAGE AREA, 1 900 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 710
FEB	---	AUG	403
MAR	0	SEP	0.26
APR	18 500	OCT	0
MAY	8 170	NOV	---
JUN	3 580	DEC	---

TOTAL DISCHARGE, 32 406 dam³

YORK LAKE NEAR YORKTON - STATION NO. 05MB014

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	511.629	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	511.617	---	---	---	---	---	---	---	5
6	---	---	---	---	511.587	---	511.787	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	511.580	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	511.637	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	511.707	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	511.837	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	511.797	---	---	---	---	---	18
19	---	---	---	---	511.677	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	511.347	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	511.882	---	---	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	---	---	511.747	---	---	---	---	---	29
30	---		---	---	---	511.787	---	511.617	---	511.630	---	---	30
31	---		---		---		---	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 09 57 N
LONG 102 29 53 W
DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

YORKTON CREEK NEAR EBENEZER - STATION NO. 05HB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0288	0.0348	1.88	0.351	1.48	0.230	0.047	0.033	0.132	---	1
2	---	---	0.0288	0.0388	1.51	0.353	2.43	0.214	0.038	0.027	0.132	---	2
3	---	---	0.0288	0.0458	1.85	0.708	5.38	0.188	0.038	0.066	0.181A	---	3
4	---	---	0.0388	0.0528	1.80	0.806	11.7	0.205	0.047	0.083	---	---	4
5	---	---	0.0288	0.0598	1.46	0.471	8.40	0.201	0.080	0.099	---	---	5
6	---	---	0.0288	0.0618	1.30	0.389	6.00	0.188	0.084	0.105	---	---	6
7	---	---	0.0288	0.0588	1.10	0.438	3.84	0.171	0.083	0.135	---	---	7
8	---	---	0.0238	0.0748	0.987	0.348	2.87	0.167	0.088	0.141	---	---	8
9	---	---	0.0218	0.0888	1.06	0.318	2.15	0.155	0.081	0.152	---	---	9
10	---	---	0.0188	0.1038	1.17	0.314	2.01	0.137	0.078	0.144	---	---	10
11	---	---	0.0128	0.1188	1.11	0.278	2.81	0.128	0.180	0.188	---	---	11
12	---	---	0.0088	0.1198	0.822	0.260	2.51	0.118	0.188	0.214	---	---	12
13	---	---	0.0048	0.1408	0.728	0.239	1.82	0.133	0.114	0.188	---	---	13
14	---	---	0.0038	0.1888	0.888	0.218	1.38	0.235	0.075	0.168	---	---	14
15	---	---	0.0018	0.1838	0.820	0.200	1.05	0.272	0.061	0.133	---	---	15
16	---	---	0 B	0.1988	1.18	0.198	0.851	0.178	0.048	0.136	---	---	16
17	---	---	0 B	0.2248	1.85	0.181	0.885	0.128	0.028	0.123	---	---	17
18	---	---	0 B	0.2698	2.15	0.172	0.841	0.081	0.022	0.120	---	---	18
19	---	---	0.0022	0.3788	1.72	0.167	0.787	0.088	0.045	0.135	---	---	19
20	---	---	0.0038	1.88 B	1.58	0.142	0.885	0.087	0.051	0.137	---	---	20
21	---	---	0.0048	10.4 B	1.72	0.130	1.11	0.048	0.053	0.128	---	---	21
22	---	---	0.0068	28.8 B	1.73	0.121	1.15	0.088	0.084	0.137	---	---	22
23	---	0.0308	0.0078	22.3	1.27	0.121	0.851	0.068	0.087	0.131	---	---	23
24	---	0.0308	0.0118	13.8	1.29	0.288	0.807	0.082	0.128	0.128	---	---	24
25	---	0.0308	0.0128	7.81	1.08	8.81	0.453	0.052	0.180	0.093	---	---	25
26	---	0.0308	0.0178	5.31	0.785	14.2	0.288	0.068	0.118	0.102	---	---	26
27	---	0.0308	0.0208	4.06	0.828	11.6	0.221	0.082	0.078	0.137	---	---	27
28	---	0.0308	0.0248	3.13	0.887	8.82	0.218	0.088	0.064	0.158	---	---	28
29	---		0.0288	2.55	0.881	3.17	0.288	0.082	0.041	0.152	---	---	29
30	---		0.0388	2.11	0.418	1.83	0.248	0.047	0.028	0.146	---	---	30
31	---		0.0328		0.384		0.226	0.048		0.138		---	31
TOTAL	---	---	0.473	102.014	37.228	80.376	89.095	3.814	2.239	3.885	---	---	TOTAL
MEAN	---	---	0.015	3.40	1.20	1.88	2.28	0.124	0.075	0.125	---	---	MEAN
MAX	---	---	0.035	28.8	2.15	14.2	11.7	0.272	0.180	0.214	---	---	MAX
MIN	---	---	0	0.034	0.384	0.121	0.226	0.048	0.022	0.023	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.10
MAXIMUM DAILY, 28.88 ON APR 22
MINIMUM DAILY, 0B ON MAR 16
MAXIMUM INSTANTANEOUS,
38.1 AT 19:30 CST ON APR 22

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 22 50 N
LONG 102 30 11 W
DRAINAGE AREA, 2 320 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	8 080
FEB	---	AUG	331
MAR	40.8	SEP	193
APR	8 810	OCT	336
MAY	3 220	NOV	---
JUN	4 350	DEC	---

TOTAL DISCHARGE, 23 300 dam³

ZELMA RESERVOIR AT PUMP STATION - STATION NO. 05HE012

DAILY WATER LEVEL IN METRES FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	518.838	---	---	---	517.784	---	---	---	1
2	---	---	---	---	---	---	---	517.887	517.748	---	517.888	---	2
3	---	---	---	---	---	518.928	---	517.857	---	517.884	---	---	3
4	517.420	---	517.380	---	518.827	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	517.788	517.854	---	---	---	---	5
6	---	517.388	---	---	---	---	517.788	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	517.728	---	---	---	7
8	---	---	---	518.833	---	517.844	---	517.844	---	---	---	---	8
9	---	---	517.378	---	---	---	517.788	---	517.721	---	---	---	9
10	---	---	---	---	---	---	---	517.840	---	---	---	---	10
11	---	---	---	---	518.843	---	517.818	---	---	---	---	---	11
12	---	---	---	---	---	---	517.827	517.827	517.721	---	---	---	12
13	---	---	---	---	---	---	517.838	---	---	---	---	---	13
14	---	517.388	517.378	518.843	---	---	---	---	517.711	---	517.881	---	14
15	---	---	---	---	---	---	517.837	517.818	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	517.406	---	---	---	---	---	---	---	---	---	517.878	517.873	17
18	---	---	---	---	518.837	---	---	517.818	---	---	---	---	18
19	---	517.371	---	---	---	---	---	---	---	---	---	---	19
20	---	---	517.381	---	518.831	---	---	517.802	517.885	---	---	---	20
21	---	---	517.230	---	---	517.812	517.882	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	517.877	---	---	---	22
23	---	---	---	---	---	517.880	---	517.788	---	---	---	---	23
24	---	---	---	---	---	---	---	---	517.875	---	---	---	24
25	---	517.371	---	---	---	---	517.877	517.788	---	---	---	---	25
26	---	---	---	---	---	---	---	517.777	---	517.816	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	518.826	---	517.838	517.888	---	517.878	---	---	517.868	28
29	---	---	---	---	---	517.874	---	---	---	---	---	---	29
30	---	---	517.218	---	---	517.873	---	517.771	517.883	---	517.885	---	30
31	---	---	518.898	---	---	517.835	---	---	---	---	---	---	31
MEAN	---	---	---	---	---	---	---	---	517.884	---	517.883	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 517.877 ON JUL 25
MINIMUM DAILY, 518.826 ON APR 27

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 50 20 N
LONG 108 50 20 W
DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

NAME	STATION NO.	PAGE
ADAMS LAKE	11AB085	1
ALCOTT CREEK ABOVE MEADOW LAKE	06AD011	1
ALTAWAN RESERVOIR NEAR GOVENLOCK	11AB080	2
AMISK LAKE NEAR FLIN FLON	05KG003	2
ANGLIN LAKE RESERVOIR	05CE005	3
ANTELOPE CREEK NEAR CABRI	05HC005	3
ANTLER RIVER NEAR WAUCHOPE	05NF010	4
ARCOLA INDEX RESERVOIR	05NC006	4
ARM RIVER NEAR BETHUNE	05JH001	5
ASSINIBOINE RIVER AT KAMSACK	05MD004	5
ASSINIBOINE RIVER AT STURGIS	05MC001	6
AVONLEA CREEK NEAR ROULEAU	05JE005	6
AVONLEA INDEX RESERVOIR	05JE010	7
AVONLEA RESERVOIR NEAR AVONLEA	05JE007	7
BALLANTYNE RIVER ABOVE BALLANTYNE BAY	05KF001	8
BARRIER RIVER BELOW BARRIER LAKE	05LA005	8
BATTLE CREEK AT ALBERTA BOUNDARY	11AB117	9
BATTLE CREEK AT INTERNATIONAL BOUNDARY	11AB027	9
BATTLE CREEK BELOW NASHLYN PROJECT	11AB101	10
BATTLE CREEK BELOW WILSON'S WEIR	11AB118	10
BATTLE CREEK NEAR CONSUL	11AB098	11
BATTLE RIVER AT BATTLEFORD	05FF001	11
BEAR CREEK NEAR PIAPOT	05HA003	12
BEAVER CREEK AT INTERNATIONAL BOUNDARY	11AF005	12
BEAVER RIVER BELOW WATERHEN RIVER	06AG001	13
BEAVER RIVER NEAR DORINTOSH	06AD001	13
BECKETT BROOK NEAR FOAM LAKE	05MA022	14
BELANGER CREEK DIVERSION TO CYPRESS LAKE	11AC064	14
BIG GULLY CREEK NEAR MAIDSTONE	05EF005	15
BIG QUILL LAKE NEAR KANDAHAR	05MA010	15
BIG SANDY LAKE ON THE HANSON LAKE ROAD	05KF004	15
BIGSTONE LAKE NEAR LA RONGE	06CA004	16
BIRCH CREEK NEAR ELFROS	05MA011	17
BIRCH RIVER MARSH NEAR CUMBERLAND HOUSE	05KH014	17
BIRCH RIVER NEAR MANITOBA BOUNDARY	05KH013	18
BIRLING CREEK NEAR PAYNTON	05EE005	18
BISSETT CREEK NEAR CHOICELAND	05KE006	18
BLACKSTRAP RESERVOIR AT SOUTH SIDE OF CAUSEWAY	05HG014	19
BOGGY CREEK NEAR LUMSDEN	05JF005	20
BOUNDARY RESERVOIR NEAR ESTEVAN	05NB012	20
BOXELDER CREEK NEAR WALSH	05AH001	21
BRADWELL INLET CANAL ABOVE BRADWELL RESERVOIR	05HG010	21
BRADWELL RESERVOIR AT PUMP STATION	05HG013	22
BRIDGE CREEK AT GULL LAKE	05HA015	22
BRIGHTSAND LAKE NEAR ST. WALBURG	05EC010	23
BRIGHTWATER CREEK BELOW BRIGHTWATER RESERVOIR	05HG018	23
BRIGHTWATER CREEK NEAR KENASTON	05HG002	24
BRIGHTWATER CREEK NEAR PROCTOR LAKE	05HG020	24
BRIGHTWATER RESERVOIR AT RIPARIAN OUTLET	05HG005	25
BRODERICK IRRIGATION PROJECT MAIN CANAL BELOW PUMPING STATION	05HF007	25
BRODERICK RESERVOIR AT WEST EMBANKMENT	05HF017	26
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POOR

QUALITY

ORIGINAL